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Mac FORMAT

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> Issue 242 Christmas 2011

MAKE THE MOST OF SIRI

Top 10 tips for Apple's new virtual assistant p76

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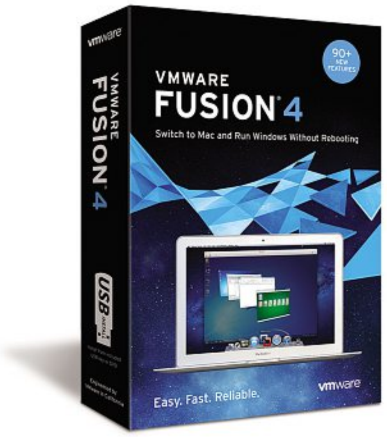
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Welcome...

to MacFormat, the UK's No. 1 Mac magazine

>> SUBSCRIBE!

Subscribe to MacFormat to **save 47%** on the newsstand price and get MacFormat delivered to your door. **Turn to p30 to sign up!**

With Christmas right around the corner you're probably wondering if there will be a special gift from the Apple Store waiting under your tree this year. Let's hope so! If you're looking for ways to give subtle hints to your loved ones that you'd really like a new Mac, or perhaps an iPad 2, then I'd suggest leaving this month's issue of *MacFormat* open somewhere noticeable around the house. Preferably revealing our feature from page 32 onwards, where we've produced the only Mac and Apple device buying guide you'll need this Christmas. As well as including the whole Mac line-up we've included some suggestions for great accessories to go with them, so even if you aren't looking for a brand new Mac you can still get something to go with the one you have.

Of course, I'd be remiss for not taking the opportunity to remind you that a subscription to *MacFormat* should be top of your Christmas lists this year! We've got a special Christmas subscription saving of 47% – just see page 30 for details.

Whatever you get for Christmas I hope it's exactly what you wanted, and I wish you the best of luck for the coming year. Join us again on 4 January when we'll be taking a look at what Apple's got in store for us in 2012. All the best,

Graham Barlow, Editor
graham.barlow@futurenet.com
twitter.com/MacFormat

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Is it more than just a gimmick? **p24**

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Production Editor

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Art Editor

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Contributor

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wacom
wacom

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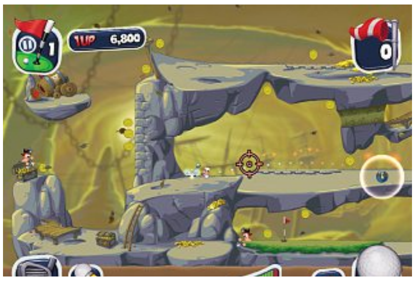

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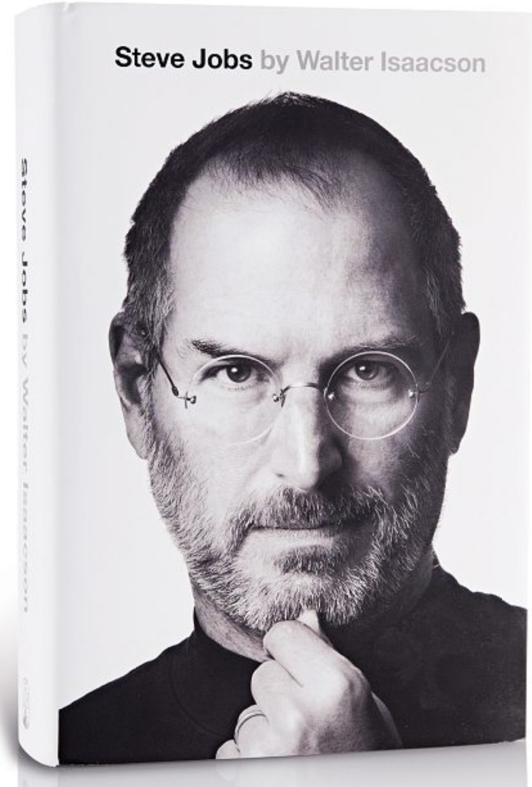
Start up

Steve Jobs: 'I will destroy Android'

Steve Jobs biography hints Apple vs Google conflict is set for meltdown



The battle between Apple and Google for the future of mobile continues to intensify. The recently published Steve Jobs biography confirmed that the war exists – and it's personal.

Apple CEO, Steve Jobs, told his biographer he intended to "destroy Android".

Schmidt's betrayal

The problem began when then Google CEO, Eric Schmidt, sat on Apple's board from 2006 until 2009, when he resigned his seat citing "conflict of interest".

In a statement, Jobs explained: "Unfortunately, as Google enters more of Apple's core businesses, with Android and now Chrome OS, Eric's effectiveness as an Apple board member will be significantly diminished, since he will have to recluse himself from even larger portions of our meetings due to potential conflicts of interest."

But the truth was far worse. Schmidt had previously excluded himself from some meetings connected with Apple's mobile strategy. When demonstrating early versions of the first Android phone to Jobs, Schmidt showed a device that seemed much like a Blackberry. Jobs accepted this, but was apparently incandescent with fury when HTC unveiled its Android phone, as it imitated an iPhone. Jobs felt he had been personally betrayed.

The two men met in an attempt to resolve the conflict, but all Schmidt offered was cash, which Jobs rejected. He wanted Google to stop using Apple's ideas in its Android OS. Conflict was inevitable, with Jobs telling biographer, Walter Isaacson: "I will spend my last dying breath if I need to, and I will spend every penny of Apple's $40 billion in the bank, to right this wrong. I'm going to destroy Android… it's a stolen product. I'm willing to go thermonuclear war on this."

Apple's Siri threat

Speaking after publication of the book, Schmidt claimed: "The Android efforts started before the iPhone efforts."

But there's debate over this. Android wasn't developed in-house by Google. It evolved from technologies developed by former Apple engineer, Andy Rubin. Google purchased Rubin's firm in 2005. The first iPhone appeared in 2007; the first Android device – from HTC – appeared over a year later.

Schmidt seemed unwilling to prove his point, instead telling Associated Press of his great sadness at Jobs' passing and

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www.macformat.co.uk

APPLE IN PICTURES / THE BIGGER PICTURE

CONDITION ONE CAMERA
War reporter Danfung Dennis's Condition *ONE* app lets photographers capture wide views of events. His film *Hell and Back Again* won the Grand Jury Prize at the 2011 Sundance Festival.

declaring that he had: "Decided not to comment on comments that are written in the book after Jobs' death."

But the Google chairman did comment on Apple's Siri voice assistant technology. It offers users a way through which to bypass Google search results and ads placements.

"Apple has launched an entirely new approach to search technology with Siri, its voice-activated search and task-completion service," said Schmidt in a written letter to the Senate's antitrust subcommittee. He clearly sees Siri as a threat to Google.

Dropping services

Speculation exists that Apple is also threatening to ditch Google services from iOS devices, instead developing its own advanced mapping services and location databases. That's in addition to more direct attacks such as Apple's iAds service or the company's continued ascendancy in mobile device sales. Gartner's Q3 PC market figures confirm a global malaise in PC sales. But Apple saw double-digit growth in both the consumer and professional space.

These figures confirm Apple's prime position in the post-PC age. Apple CEO, Tim Cook, believes "a materially larger number of people are electing to buy an iPad instead of a Windows-based PC. And so I think we are coming out very, very well in that cannibalisation."

Apple's Android-driven tablet competitors aren't doing well. Motorola's Xoom sold just 100,000 units across Q3, when Apple shifted 11.12 million iPads. With an eye on cannibalising its own manufacturing partners by favouring its own products, Google is acquiring Motorola Mobility for $11 billion.

The war with Google is seen in a series of ongoing courtroom battles over iPhone patents between Apple and HTC, Samsung, Motorola and others. ●

APPLE IN NUMBERS

2.2%

Revenue Apple spends on research and development

"The cloud is a dangerous place for your digital files"

Steve Paris questions the rationale behind cloud services.

Apple talk

Who's saying what?

Steve Jobs
www.apple.com
"Oh wow. Oh wow. Oh wow."
The last words Steve Jobs said, according to his sister, Mona Simpson.

Mona Simpson
www.monasimpson.com
"Love was his supreme virtue, his god of gods."
Steve Jobs biological sister talks about her brother.

Ben Reitzes
www.barclays.com
"We agree with Tim Cook - iCloud is profound. It basically makes the cloud the digital hub, rather than the Mac or PC."
iCloud is the future, analyst explains.

Howard Stringer
www.sony.com
"I spent the last five years building a platform so I could compete against Apple's Steve Jobs."
Stringer takes on a dead man, still loses.

Pete Townsend
www.thewho.com
"iTunes bleeds artists like a digital vampire."
Old mod shows he doesn't really get it.

Apple
www.apple.com
"We're not about one person."
Apple's team philosophy, as espoused by the male voice of Siri - the much-vaunted personal assistant that comes with the iPhone 4S.

>> IN THE SPOTLIGHT

Whereabouts unknown

Steve Paris

The only thing all tech companies seem to be obsessed with at the moment is the cloud. They want you to store everything there so they can look after it for you. In his last keynote, Steve Jobs didn't relegate the iCloud to one of his lieutenants; he introduced it himself, emphasising how important this new endeavour was to him and will be for Apple.

But it doesn't take much research to realise that the cloud is a dangerous place for your digital files: all the biggest players have had problems with their servers and customers have lost data because of their mistakes. No one's immune: Apple messed up their transition to MobileMe way back in 2008. Microsoft forgot to backup the servers of its mobile phone division, Danger, in 2009 and disaster obviously ensued. This year, Amazon, Google and RIM all stumbled in the cloud.

What's ironic is that data was actually lost each time. Shouldn't tech companies know the importance of backing up? That's why creating your own safeguards is still the best solution, at least for now. I actually speak from experience: after my own iPod touch took an unfortunate trip into a washing machine, I was so glad a full backup of it lay with my copy of iTunes – itself backed up. Twice, by me. When I eventually got my iPhone 4S two months later, all the data was transferred seamlessly.

> *"It doesn't take much research to realise that the cloud is a dangerous place for your important digital files"*

Had iCloud been live at the time, it would have performed the same function admirably. But what if something had gone wrong with Apple's servers during those two months? I would have lost everything. By contrast, I knew my two backups were safe and slept easy.

There's no doubt the cloud's an appealing prospect. The convenience of accessing your files from anywhere is huge, but the security part of this equation isn't there yet. If you're going to use a company's servers to store your data, don't keep your head in the iCloud – have a backup solution somewhere closer to home as well. ●

Technology writer Steve Paris comes from Bristol but emigrated to Kiwi land. He's still working up the courage for extreme sports.

>> MEDIA PLATFORM DEATH

Adobe Kills Flash for mobile

End in sight for foundering media platform

Former Apple CEO Steve Jobs has been proved right in his 2010 determination not to support Flash on iOS, now Adobe has decided to end development of Flash on mobile devices.

"Our future work with Flash on mobile devices will be focused on enabling Flash developers to package native apps with Adobe AIR for all the major app stores," the company said. "We will no longer adapt Flash Player for mobile devices to new browser, OS version or device configurations. Some of our source code licensees may opt to continue working on and releasing their own implementations. Further, we will continue to support the current Android and PlayBook configurations with critical bug fixes and security updates."

This is the culmination of a long industry-wide struggle to create a version of Flash that would work effectively on mobile devices. Adobe's move to throw in the towel calls the entire future of the veteran (but increasingly unpopular) media standard into question. As technology engages ever more strongly with post-PC devices, what place is there for Adobe's Flash?

The company will continue to offer Flash-based tools with which to develop content for mobile devices, capable of exporting the results into multiple mobile operating systems, mostly using HTML5.

In his Thoughts on Flash statement, Jobs lambasted Adobe: "New open standards created in the mobile era, such as HTML5, will win on mobile devices (and PCs too). Perhaps Adobe should focus more on creating great HTML5 tools for the future, and less on criticising Apple for leaving the past behind," he wrote.

There has been plenty of focus on developing a version of Flash Player for mobile devices. However, even the most pro-Android voices have indeed noted that Flash Player has impacted battery life and device performance.

"Flash has not performed well on mobile devices," wrote Jobs. "We have routinely asked Adobe to show us Flash performing well on a mobile device, any mobile device, for a few years now. But we have never seen it."

And now, it seems, we never will. ●

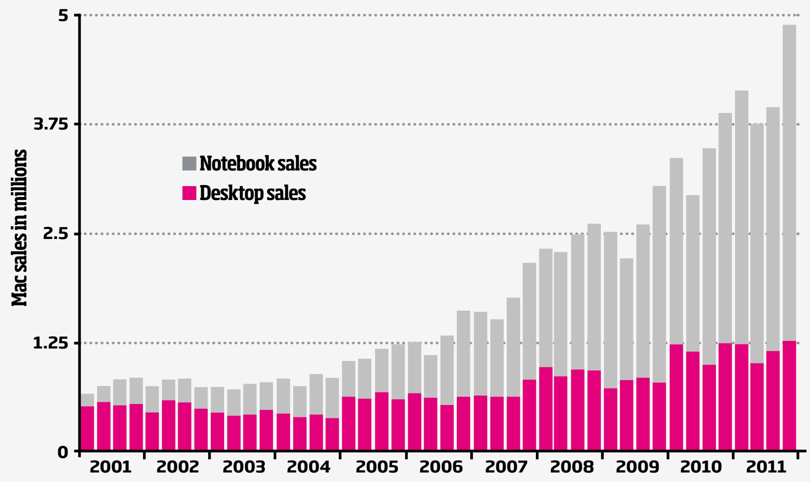
>> APPLE IN NUMBERS

$2.6 million

Apple and employees' charitable gifts so far in 2011

Adobe admits Flash's limited life span in an increasingly mobile future.

APPLE IN NUMBERS / Mac sales since 2000



YEAR OF THE MAC

Apple's Mac business is bigger than it has ever been before, with notebook sales now utterly eclipsing Mac desktop sales. Apple is expected to introduce powerful new iMac configurations next year, the rumour websites claim.

iPHONE 4S

Battered batteries

Users report power leakage in new handset

Apple's iPhone 4S seems off to a strong start in the market. It's selling out across the world, with lengthy queues outside Apple retail stores. There's only one slight problem: battery life.

Reports emerged soon after the Apple smartphone shipped. Some users on some carriers complained about significant battery life problems. Symptoms included claimed instances of significant percentages of battery drain taking place in a very short time. "Updated about 1.5 hours ago, battery has drained 20% since then with no usage," one wrote on Apple's support forum.

In a statement, Apple responded: "A small number of customers have reported lower-than-expected battery life on iOS 5 devices," adding, "We have found a few bugs that are affecting battery life and we will release a software update to address those in a few weeks."

It should be stressed that most iPhone 4S users have experienced no problems at all. For those who have been affected, the company rushed to release the iOS 5.0.1 update. As we go to print it appears the patch hasn't solved the problem for all users, with some claiming to be seeing even worse performance subsequent to the update.

O2-UK
100%
09:00
Tuesday 21 December
slide to unlock

Some iPhone 4S customers have experienced battery issues.

Better battery life

- Switch off Wi-Fi and/or Bluetooth when not in use
- Reduce screen brightness
- Switch off Notifications and/or set Push to off
- Disable location services
- Fetch new data manually
- Use AirPlane mode. ●

HOT OR NOT?

The latest word from the Apple rumour mill

HOT: Apple Maps
Apple has acquired advanced 3D mapping technology firm, C3 Technologies. This should make for big improvements in the iPhone Maps app – another slap for Google.

HOT: Retina Plus display
Apple bids for RPO's Digital Waveguide Touchscreen Technology (DWT), which brings higher resolutions and improved battery life. We think this very possible.

NOT: Retiring Mac Pro
Recent speculation Apple intends ending production of the Mac Pro because people prefer mobile Macs seem off-base to us: we can't see Apple abandoning the pro market.

NOT: Siri for old iPhones
Apple has been testing Siri on older iPhones, generating speculation the firm may make the service accessible to older devices. We don't expect it to work on an iPhone 3GS.

Apple on TV

The Mac is ready for its close-up

Apple's catchphrase has entered pop culture. "I'm sure I've an app for that," quipped Matt Smith in the eleventh episode of the recent series, disabling an alien robot with his sonic screwdriver as he did.

If you've spotted a Mac on television, then email macformat@futurenet.com and tell us all about it!

>> LIVING THE iLIFE

Show me the money

Graham Barlow

One of my friends recently told me that he now makes more money from selling his iPhone apps on the App Store (which he codes in his spare time) than he does from his day job. I have to admit to feeling a little bit jealous that he's raking in so much cash from what is effectively his hobby. But it's all done through his own hard work, self discipline and talent - so good on him. I tried to learn how to code iPhone apps once (in fact, he tried to teach me) but I quickly realised that it was going to take more time to wrap my head around the vagaries of Xcode than I had available. Sadly, free time is one of those things that magazine editors have very little of these days. And okay, it was just too hard for me to learn at his pace. Back in the day I learned how to code in COBOL, Fortran and Basic. But, quite frankly, things have moved on a bit from then!

People are quick to criticise Apple's 'walled garden' approach to the App Store, with its less that transparent approval process, 30% Apple tax, and a monopoly on distributing apps. But without it people like my friend wouldn't be able to do what they're doing. Ironically, thanks to Apple's dictatorship-like approach it has become one of the great democratisers of technology. That might sound counter-intuitive until you consider how it gives anybody who isn't afraid of a bit of hard work the chance to sell their apps on a global stage - and make a decent amount of money from it too.

> *"I tried to learn how to code iPhone apps once, but I quickly realised it was going to take more free time than I had"*

The App Store is a very different place to the Android Market, where you simply don't know what you're getting. As a consequence, nobody wants to download anything from that app store that isn't free. For me, the app store debate isn't about the philosophy of open versus closed. It's about what actually works in practice.

People are voting with their wallets, and as far as I can see, the App Store is still the store every developer want's to be on. Apple isn't going to change its entrance policy anytime soon. ●

***MacFormat* Editor Graham Barlow has been playing iPad game *Cars 2 AppMATes* with his kids. See page 114 for his full review.**

>> MOBILE WARS

Samsung probed over iPhone

Investigations into patent abuse commence

European regulators have begun initial investigations into Samsung in order to find out if it is abusing its control of 3G patents.

Apple has complained that Samsung has been attempting to demand much higher patent royalty rates than it charges other firms using 3G in their devices.

It's an intensification of the war between Apple and Samsung. A California court filing saw Apple complain that Samsung is trying "to coerce Apple into tolerating Samsung's imitation" through a series of counterclaims involving FRAND patents. The latter are patents that are essential to a standard which are supposed to be licenced on "Fair, Reasonable And Nondiscriminatory" terms.

Apple states: "Samsung has launched an aggressive, worldwide campaign to enjoin Apple from allegedly practicing Samsung's patents. Samsung has sued Apple for infringement and injunctions in no fewer than eight countries outside the US.

"Indeed, Samsung's litigation campaign and other conduct... is so egregious that the European Commission recently has opened an investigation to determine whether Samsung's behaviour violates EU competition laws."

Apple says it is attempting to "halt Samsung's abuse" to protect itself, consumers and the industry from what it sees as potentially unlawful anti-competitive behaviour.

It's the latest in a series of cases which have seen some Samsung products banned in Germany and Australia, while Motorola recently managed to get an injunction against some Apple products in Germany. ●

>> APPLE IN NUMBERS

39%

Percentage of photos on Twitter from iOS devices

Stockwatch

A look at the world of Apple business with Clem Chambers

Steve Jobs was once judged to be worth 40% of the Apple stock price; the most valuable CEO of them all. That would equate to $100 a share at current levels. Anyone reading the authorised biography of Jobs by Walter Isaacson or the unauthorised *iCon* would certainly get the feeling that Apple will not survive with its market stardom intact for long without the triple-crowned genius of Steve.

However, while looking pretty shaky, the stock has not tanked like Greece, Italy and Spain. The idea is that Apple has DNA and, like Obi Wan, somehow Steve Jobs is stronger now than he ever was. Nice trick if you can pull it off.

At the beginning of 2008 Apple was $100; it is now around $400. Somewhere along that rise, Apple became very highly valued - but with many justifications. Perhaps if I call the top long enough, one day I'll be right. Indeed, there are a lot of factors saying Apple has seen its all-time high.

Clem Chambers is CEO of ADVFN, Europe's leading stocks and shares website.

>> MUSIC-MAKING APP

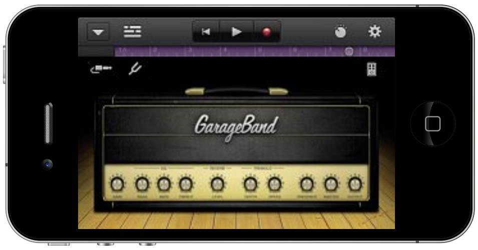
GarageBand is now in your hand

Apple's music-making app gets its iPhone debut

Apple has introduced *GarageBand* for the iPhone and iPod touch. This is the same app as that made available to iPad users earlier this year, boosted with a few new features and tweaked for use on a smaller screen.

The £2.99 app is the mobile version of the popular *iLife* application shipped for free with Apple's Macs. Based on technologies borrowed from Apple's *Logic Pro*, the app enables users to create and record songs even if they don't know much about music.

"The innovative multi-touch interface combined with Smart Instruments makes it easy to create great-sounding music, even if you've never studied music or played an instrument before," said Apple's senior vice president of Worldwide Product Marketing, Phil Schiller.



Play and record music on your iOS device with GarageBand.

A collection of touch-activated instruments are included (keyboards, guitars, drums and basses) and each instrument is offered in a variety of styles. Equipped with an interface such as Amplitude's iRig, you can plug an electric guitar into your iOS device to play and record music through the apps series of classic amps and stereo effects. ●

>> CEO BIO

Steve Jobs biography tops book charts

Hardback and ebook sales go through the roof

Walter Isaacson's biography of Apple co-founder Steve Jobs sold 379,000 copies in the US and over one million copies in Japan in its first week on sale. In the UK, the title became one of the fastest-selling hardback non-fiction books on record, with 37,645 sales.

Published in the UK by Little Brown, the Jobs-sanctioned bio also topped Apple's and Amazon's ebook sales charts. The 656-page book looks at Jobs' 55 years of life, from his hippie youth and co-founding of Apple in his parents' Silicon Valley garage, to his ouster from the company, and subsequent return 11 years later. Apple's notoriously secretive co-founder asked for no copy approval for the title, which is based on 40-hours of interviews with Jobs and many more with his friends and associates.

The book also confirms the close relationship between Jobs and Brit-born Apple design chief, Jonathan Ive. Jobs regarded Ive as his "spiritual partner" at Apple, telling Isaacson Ive has "more operational power" than anyone other than Jobs, and that no one else at Apple is in position to tell Ive what to do. "That's the way I set it up," Jobs said. ●

>> APPLE IN NUMBERS

75%

of Brits aged 18-30-years own at least one Apple gadget

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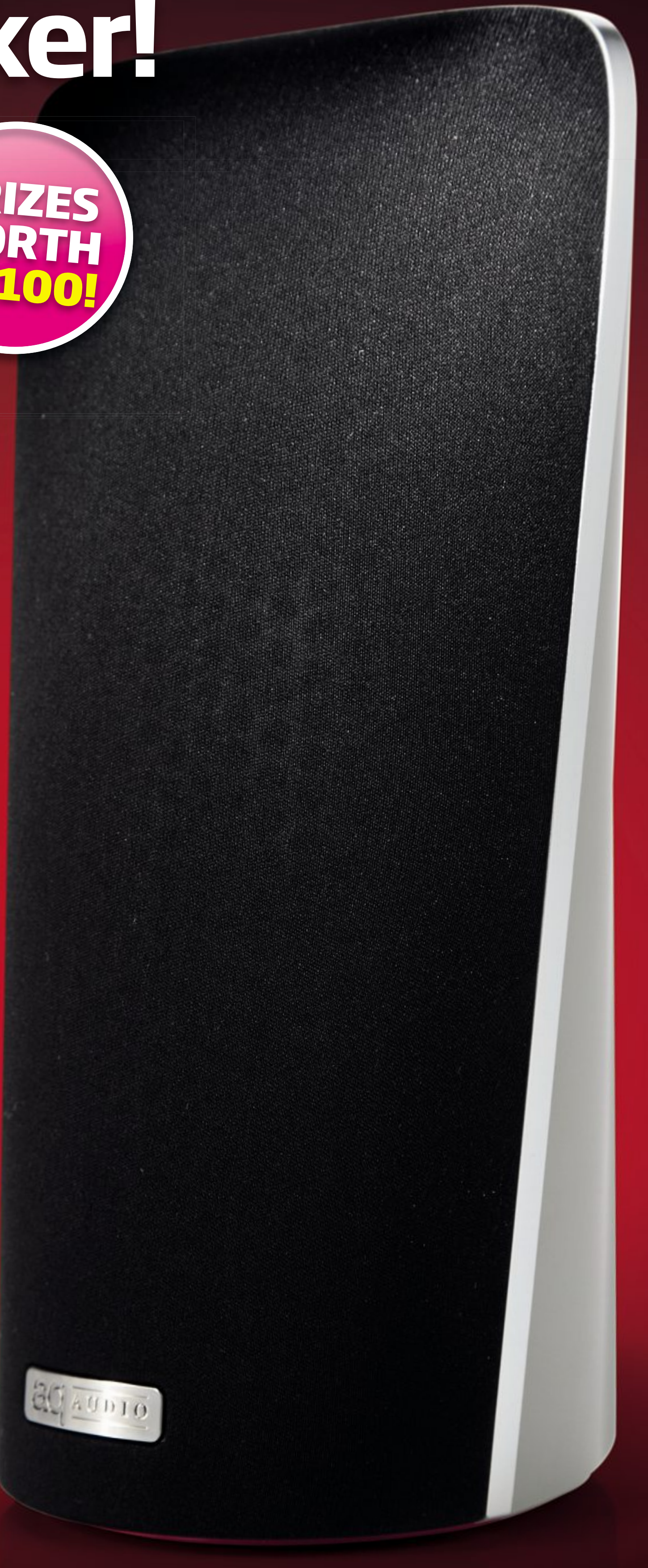
Five of these amazing portable wireless speakers must be won


PRIZES WORTH £1,100!

Your Mac or iOS device deserves an AQ Audio AirPlay Smart Speaker. Boasting a 24-watt power output and an elegant, compact design, it enables you to wirelessly stream your sounds to the speaker using *iTunes* 10.1 or later and iOS 4.2.

The Smart Speaker has two channel-separated drivers for stereo sound. And if you buy two of them, you can define one as the right channel and the other as the left for improved spatial separation.

You can power your AQ Audio AirPlay Smart Speaker from the mains. But it also has a built-in rechargeable battery that lasts for around 10 hours in AirPlay Mode or 30 hours if connected to your audio device using a 3.5mm cable. It looks gorgeous, and is compact and stylish enough to fit in almost anywhere. An AirPlay Smart Speaker costs £220 in the shops, but we've got five to give away.

The question

To stand a chance of winning one of these superb prizes, just answer this question:

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B) Streaming audio
C) Synchronising calendars

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HOW TO ENTER

- To enter, text SMART, followed by a space then your answer (A, B or C), space, then your name and address to 87474; or enter via our website at **www.macformat.co.uk** and simply click on the **Competition** link.
- By sending your entry, you agree to these competition rules and you confirm you are happy to receive details of future offers and promotions from Future Publishing Limited and carefully selected third parties.
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- Texts will be charged at £1 plus your standard network tariff rate.
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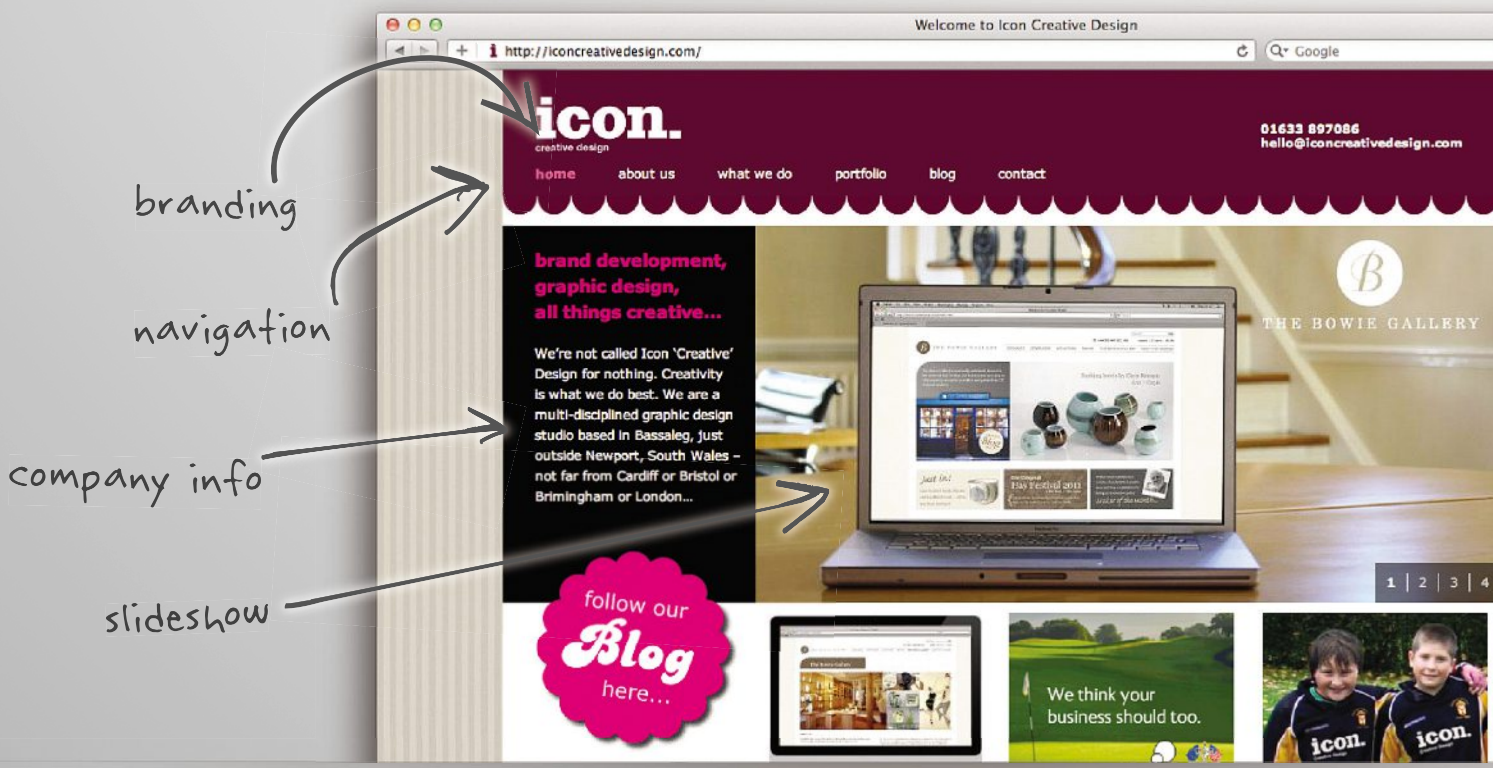

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Me&MyMac

MacFormat readers share their beloved Mac setups

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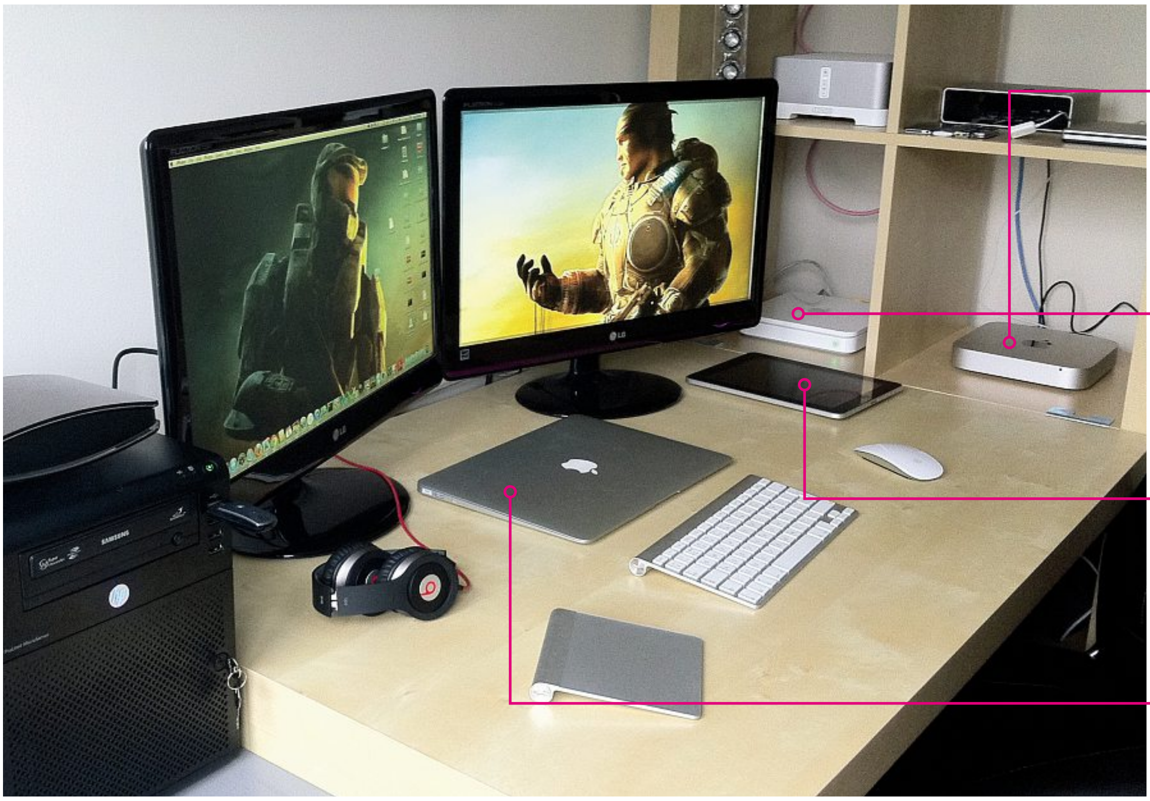
Want to share your Mac setup with us? Send a photo of your kit to **macformat@futurenet.com**



Mac mini 2.66GHz
With an Intel Core 2 Duo CPU running OS X Lion Server, Tom's mini has 8GB of RAM and 1TB of storage.

Time Capsule
Ideal for backing up wirelessly, Tom's 2nd gen Time Capsule model has 1TB of storage onboard.

iPad 64GB Wi-Fi
Tom takes his iPad everywhere he goes and is constantly amazed by how versatile it can be.

MacBook Air 1.8GHz
Tom's Air comes with a Core i7 processor, 4GB of RAM and a 256GB SSD.

>> PROFILE

Name: Tom Milden
Occupation: IT contractor
Been using a Mac for: Two years
Favourite hardware: iPad
Favourite software: iTunes

Like a lot of so-called 'switchers', Tom Milden is a relatively recent convert to the church of Mac. An IT contractor by profession, he was first tempted to try out Apple after regularly hearing his co-workers singing its praises. But it was the iPhone 3GS that finally persuaded him to take the plunge. "I was so overwhelmed by its feature-rich operating system, I thought it was about time I experienced what Apple had to offer with OS X," he says. "I purchased a late 2009 Mac mini server to test out Mac OS X 10.6 and I've been hooked ever since."

While Tom still uses his Mac mini as a file and VPN server and for streaming *iTunes* media using AirPlay, he's gone on to acquire several other bits of Apple kit including a 1TB Time Capsule, an iPhone 4, a 64GB iPad Wi-Fi and – his latest buy – a Core i7 MacBook Air. So what's his favourite Apple gadget of the lot?

> *"iTunes is such a powerful application and its functionality always amazes me. I think Genius is a great feature"*

"The iPad has totally changed mobile computing for me," Tom says. "I take it everywhere and love how diverse it can be. Whether it's watching a movie, reading a book or taking notes, the iPad just delivers."

Tom often takes his MacBook Air out on the road for more heavy-duty tasks, such as running full-blown OS X applications and running Windows as a virtual machine. Tom says he's amazed how fast the MacBook Air is given its size and profile. He also loves the fact it uses solid-state storage. Next on Tom's shopping list though is an iPhone 4S: "I'm really intrigued to see how the new Siri feature will change the way I use my phone on a day-to-day basis," he says. He's also looking forward to getting a Pegasus R4 4TB RAID, so he can see what difference Thunderbolt technology will make to his home setup.

When it comes to using OS X software, it's *iTunes* that Tom really loves the most: "It's such a powerful application and its functionality always amazes me. I think Genius is a great feature and I love building playlists with it, as it reminds me I have great music that I don't listen to anymore." Controversial, Tom. But true. ●

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hp.com/uk/airprint

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Interview: Alex Thomas

I use my Mac for digital magazines

Future Publishing's Paul Hudson talks about how MacFormat came to Newsstand

»PROFILE

Name: Paul Hudson
Location: Bath, UK
Occupation: App Developer
Macs Owned: Two MacBook Pros and an iMac
Web: www.myfavouritemagazines.co.uk/ipad-magazines

MacFormat: Tell us a little bit about yourself.
Paul Hudson: I'm one of several app developers who work at Future Publishing. Together we put out 65 magazine container apps for Newsstand, along with *Tap!* magazine on its own platform.

MF: What's involved in bringing a magazine to *Newsstand*?
PH: We had just five working days in between iOS 5's gold master being released and *Newsstand* going live, so it was a crazy rush of testing, coding and swigging caffeinated drinks. Now, though, things are a bit more relaxed. Each magazine has a monthly schedule, so the only regular job is uploading new issues and adding their metadata to iTunes.

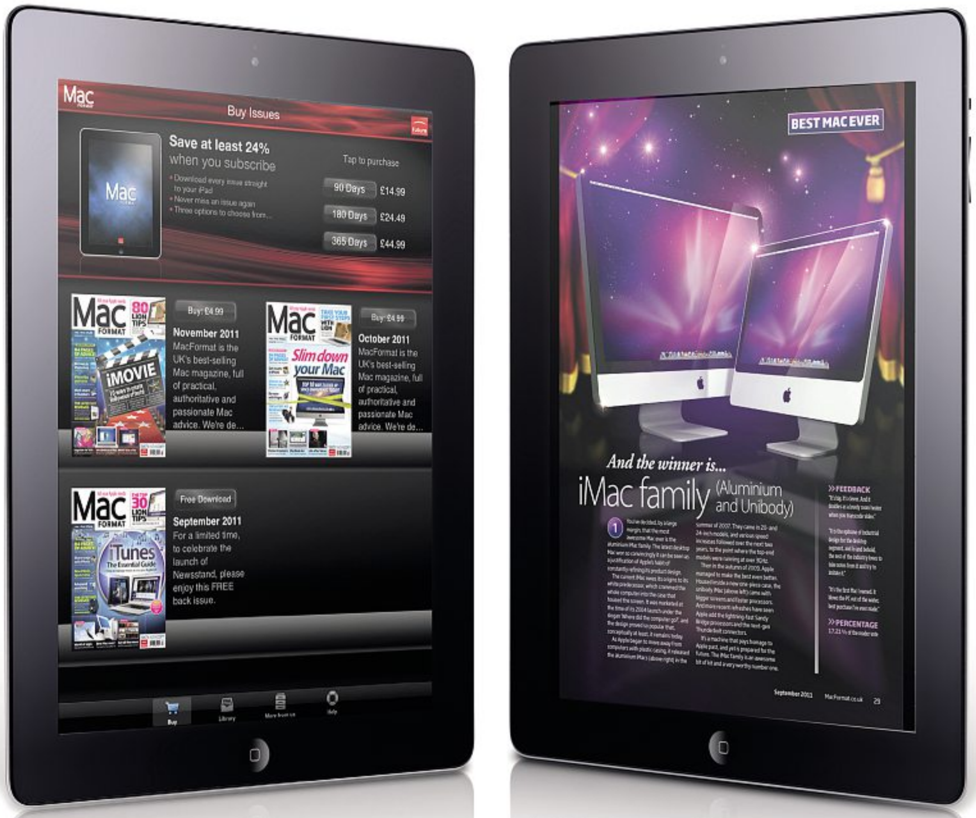
MF: What was the most difficult part of developing a container app for *MacFormat*?
PH: Writing code to support features that weren't generally available yet. It made testing quite hard, as you might imagine! In particular, one of the key features of *Newsstand* is delivering new issues to readers as background downloads, which meant we needed to monitor iPads very closely during testing.

MF: How can the readers buy or subscribe to our digital edition using *Newsstand*?
PH: You can buy or subscribe to any of our magazines by downloading its free container app. This works fine on iOS 4.3 too. Just search on *Newsstand* for whatever titles you want.

MF: What advantages does digital distribution offer?
PH: From a publishing perspective, it gives us a better line of communication with our readers, and it opens up opportunities to provide different kinds of content in the future. These are exciting times for publishers. For readers, it means never having to throw away a back issue. You can read on whatever device is convenient, and you have a huge range of content available even if you don't live in a big city.

MF: Do you think digital magazines too expensive?
PH: A lot of people think the price should come down as we don't have to print anything, but sadly this saving is more than swallowed by Apple taking a 30% cut of our proceeds and the government taking 20% as VAT. Our biggest cost, as with most companies, is manpower to write and design our magazines, and that cost is the same on *Newsstand* as it is in print.

MF: Do you think digital distribution will catch on?
PH: Digital distribution already outstrips print media in books, although that's largely by volume and due to unknown authors releasing e-books for £1. We need to find a way to bring the latest news, reviews and tutorials to the world in whatever way they want to read them. Digital distribution is just one option. Perhaps it will be the solution, but I think it will go hand in hand with our other distribution models. ●



Left: You can buy digital copies of MacFormat using Newsstand and subscribe. See page 99. **Right:** A typical MacFormat page, taken from our digital edition.

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Gadgets

The hottest kit on the horizon. Here's what Apple is up against

▶ iPhone 4 – Desktop Phone

£20 www.thumbsupworld.co.uk

What is it? Do you miss your trusty old push-button dog-'n'-bone? No? Us neither, but with this gadget, you can turn your iPhone into a retro-style telephone. Plug it into the cradle and connect the headphone jack to the phone, and use the handset just like it was connected to a landline. It functions as a speaker dock too.

When's it due? Out now.

Why are we excited? You can also use it to make notes, check emails or make FaceTime calls. And we love the retro-chic styling, too.

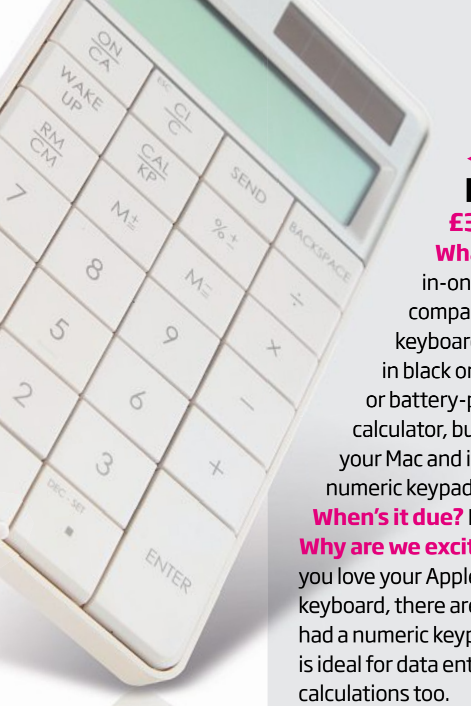
▼ Christmas USB Flash Drives

£23 www.fruitshop.com.tw

What is it? These Christmas-themed 4GB USB flash drives come bundled with a wrist strap, a gift box and a little 2012 calendar. They're cute and come with an integrated cap.

When's it due? Grab one in time for Christmas.

Why are we excited? They're sweet and far more likeable than the usual mundane flash drives. An integrated cap means it will never get lost.



◀ Canon X MARK I KEYPAD

£35 www.canon.co.uk

What is it? This clever two-in-one calculator is the ideal companion for an Apple wireless keyboard or notebook. Available in black or white, it's a great solar- or battery-powered ten-digit calculator, but plug the USB dongle into your Mac and it also acts as a wireless numeric keypad.

When's it due? Released in November.

Why are we excited? However much you love your Apple notepad or wireless keyboard, there are times when you wish it had a numeric keypad. This handy gadget is ideal for data entry, and useful for basic calculations too.

▶ PLATINUM Bluetooth speaker

£189 www.soundmatters.com

What is it? This rechargeable Bluetooth hi-fi portable speaker is apt-X compatible, for near-CD quality audio. It's small enough to carry around in your pocket and runs for 10 hours on a single charge, or 20 hours if you connect it to your audio device using a standard 3.5mm cable instead of Bluetooth. It has a built-in noise-cancelling microphone too.

When's it due? Arrived in November.

Why are we excited? We've seen Bluetooth micro speakers before, but results have been patchy. We hope this high-end palm-sized portable performer sounds as good as it looks. If it does, it will be ideal for travellers.

▲ Lytro Light Field Camera

$399 www.lytro.com

What is it? According to Lytro, it's 'the world's first consumer light field camera'. Unlike ordinary digital cameras, which capture a single plane of light, the Lytro has hundreds of tiny lenses that break up the light before it gets to the image sensor, capturing the direction in which it's travelling, as well as the sum total of the image. This means you can focus your photos after they've been taken. Seriously. The Lytro Field Camera comes in three colours, and 8GB or 16GB capacities. The software required to process its pics will be Mac-only at launch, with a Windows version following after.

When's it due? Early 2012.

Why are we excited? Go to **www.lytro.com/living-pictures** and have a play with some photos already taken with the Lytro. You can choose what part of the picture to focus on. It's amazing.

▼ GeChic On-Lap Monitor

£140 www.gechic.com

What is it? GeChic's On-Lap Monitor brings dual-screen convenience to your MacBook. This 13.3-inch, 16:9-ratio, 1366x768-resolution portable display can be used in portrait or landscape orientation, or fixed to the back of your notebook for giving presentations. It's powered through one of your MacBook's USB ports, supports both analogue and digital signals and can be connected to your notebook through DVI or VGA. No drivers are required.

When's it due? Late November.

Why are we excited? If you enjoy a dual-screen set-up at home on your desktop Mac, why not do the same on the move? At only 865g, it is as portable as it is versatile.

Feedback

» CONTACT US
Whatever your Mac-related cares, concerns or calamities are, let us know about them by contacting us on the following email address: **macformat@futurenet.com**

Let us know what you think about your Mac, MacFormat and everything Apple

Apple forever

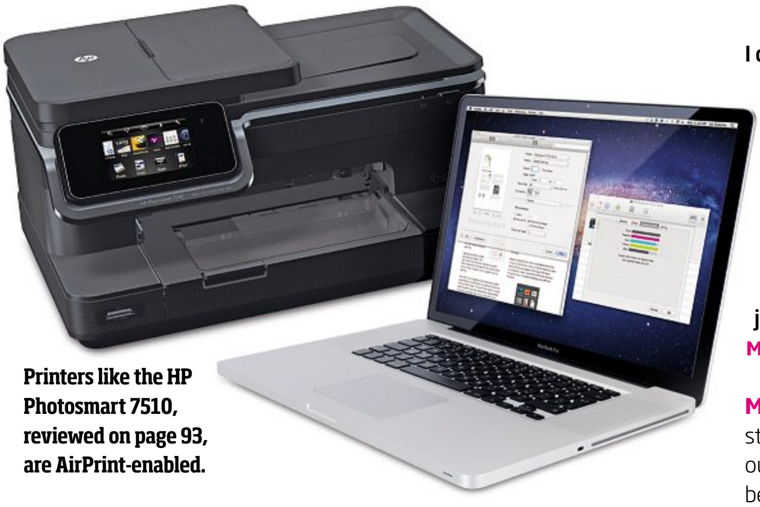
I very recently got myself a MacBook Pro after fighting and wrestling with the various versions of Windows over the last decade or so. I started off by getting an iPad and liked it a lot, so then got a MacBook and finally an iPhone. Now I just wish I got them sooner – everything just works – it's really great!

Although a Mac novice, I am reasonably well versed in Windows and can usually get it up and running when it falls over. That is perhaps why I stuck with it for so long. But recently, something happened that made me know that I am forever sticking with Apple.

I still have some things that I need to transfer from my Windows laptop and I was recently working on this. The laptop, which is reasonably new, was playing up and freezing, and I could not be bothered to tinker with it. So I told it to shut down and went to play with my Mac and iPhone instead. I added some contacts to the Mac and it synced effortlessly with the phone. I added contacts to the phone and they synced with the Mac. Easy peasy. Then I saw the *Maps* app on the phone and tried it. It instantly knew where I was and there was an option to print the map. There's no way this is going to work, I thought. I hadn't even told my iPhone I had a printer and yet it knew which one I had on the network. It printed my map without any messing around whatsoever! It even warned me I was low on ink. I went to collect my printed map from the other room and as I did I noticed the Windows laptop was still trying to shut down an hour or more after I told it to.

I am convinced. Please, people: don't let your knowledge of Windows and being able to fix it put you off getting a Mac. Just do it. They just work.

Matt Johnston



Printers like the HP Photosmart 7510, reviewed on page 93, are AirPrint-enabled.

MacFormat replies: A great story, Matt, but we should point out that your printer must have been fairly new and AirPrint compatible. Our readers can't expect the same level of service from older printers that aren't AirPrint-enabled. For a full list of AirPrint-enabled printers, point your web browser to http://support.apple.com/kb/ht4356.

★ STAR LETTER ★

The stolen BMW

I gained proud ownership of my second BMW on 15 October 2010, a fantastic space-grey metallic 320d M Sport Touring. I am a disabled driver, but took advantage of the motability scheme to gain the car. I also added about £3,000 worth of extras to help me out, such as pro-media, front parking sensors, and so on.

At approximately 3:30am on Friday 4th November, our house was broken into, while I was asleep with my wife, and two young sons (who are aged one and four) asleep in the adjoining bedroom. The thieves took my wife's mobile

»

» APPLE EVENTS / What's going on?

MACFORMAT
Issue 243, 4 January
Get your eyes and mind around the latest news, information, features and reviews from the world of Apple.

CES, Las Vegas
10-13 January 2012
The world's largest consumer technology trade show is customarily eclipsed by Apple's own announcements.

BETT, London
11-14 January 2012
The world's leading technology in education show and a hotbed of Apple-related solutions and technologies.

NAMM, Anaheim
19-22 January 2012
The world's biggest music and technology trade show offers new solutions for music-makers.

MACWORLD CONFERENCE AND EXPO, San Francisco
26-28 January 2011
The once legendary Apple event continues to shrink now the company it is all about no longer takes part in the show.

CeBIT, Hannover, Germany
6-10 March 2011
Europe's largest technology show is a gadget banquet for consumer and business users.

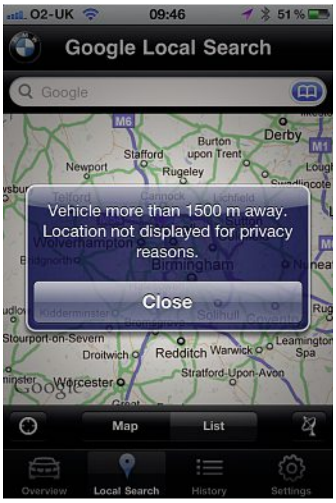
phone, and after searching and finding my car key, they stole my car from the driveway.

After reporting the loss to the police and insurance company, we settled down and thought the car might never be seen again. Unfortunately, my mobility scooter was in the boot, and a blue disabled parking badge in the driver's door. After receiving a hire car, I set about replacing my scooter and blue badge.

On the day the car was stolen, I also called the dealer that supplied the car, Benham BMW in Wolverhampton. The sales executive has always been helpful after the sale, assisting with setup and answering questions. He told me of an app that could be downloaded to my iPhone, which enables you to remotely control certain functions of the car, like the locking/unlocking of the doors and so on.

After a day or two of mixed emotions and sorting out my forgotten passwords with BMW, I thought the moment had passed and the car would be long gone.

On Tuesday, I managed to get the app working (it would have been good if I had done this months before) and noticed another feature: it can tell you where the car is, but only if it is within 1,500 metres. Damn!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Derby
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Stafford
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Rugeley
M1
Telford
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Nuneaton
Kidderminster
Solihull
Coventry
Stourport-on-Severn
Droitwich
Redditch
Warwick
Leamington Spa
Stratford-Upon-Avon
Worcester
Close
Map
List
Overview
Local Search
History
Settings

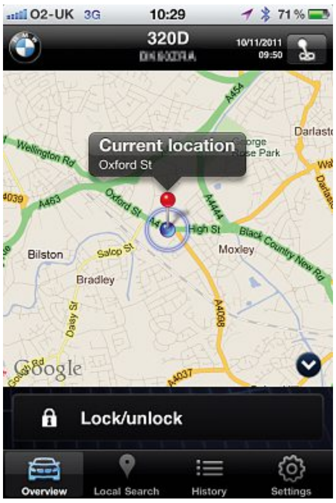
Vehicle more than 1500 m away. Location not displayed for privacy reasons.

Here's the screen that David initially saw on his iPhone.

Police tow the car away for forensic investigation.

After two days of driving around, I searched the local area using the 3G coverage, hopeful that the app would tell me where the car was. No luck. I was about to give up, because I really hoped it would still be local. But let's face it, it was probably miles away.

Early on Thursday morning, on my way back from getting a new blue badge, I found myself stuck in traffic due to roadworks. The lights had only just changed to red, and I knew I would probably be there for a while. So I thought I would pass the time and do another quick search on the phone. Expecting another negative result, imagine my utter shock when, after 30 seconds, it showed me the vehicle location about half a mile away! I just stared at the screen and started shaking with nervousness. I was shocked back to life when the cars behind sounded their horns because the cars in front of me had gone. I put the phone on the passenger seat and drove to the indicated location.


O2-UK 3G
10:29
71 %
320D
10/11/2011
09:50
Current location
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Wellington Rd
A454
Darlaston
Forge Rose Park
A4039
A463
Oxford St
A4444
High St
Black Country New Rd
Bilston
Salop St
Moxley
Bradley
Daisy St
A4098
A4037
Google
Lock/unlock
Overview
Local Search
History
Settings

Suddenly the car was in range! It showed up on the map.

I stopped, parked up and called the police telephone number I had been given. They didn't believe what I was telling them. The officer had to ask me three times if I had actually 'seen' my car – at this point I hadn't, but trusted the 'app' was telling the truth. I don't know why, I just did. I'm sure the officer was about to dismiss me and tell me to call back if I spotted the car. Right at the point I was about to get frustrated with the officer, I saw a car that looked like mine: same shape, same colour.

Could it be? Really? Had the thieves changed the number plates? I had to turn back the other way. Luckily, the road was free of traffic, so I made the turn. I had to lift myself slightly to enable sight of the plates. Yes, it was my car! I informed the telephone officer and he dispatched a police car straight away.

Throughout the whole affair I was full of butterflies – afraid someone would come and drive away again. I was told to sit with the car in sight but not to make myself obvious.

Ten minutes later they arrived and met me near the car, and I confirmed I was the owner. Those ten minutes seemed to take forever. I had the spare key with me and it still worked.

Recovery arrived about 30 minutes later and took the car away for forensic investigations.

I have to thank a few people and inventions for finding my car. Benham BMW in Wolverhampton – my sales exec took my calls, gave me his mobile number and was as keen to find the car as I was. It was his advice to get the app on my phone. BMW UK – its technical and personal assistance has been great. When I totally messed up, trying to get past the password section, they helped and made it all work. The iPhone 4 – I hate the fact that it is so expensive, but hey, it helped to get my car back, so I love it. 3G – without it, the app wouldn't work, so I'm grateful for those little airwaves. And finally BMW – the best cars, ever, it's official!

David Parsons

»STAR LETTER

Email all your letters to us at **macformat@futurenet.com** If yours gets picked as the MacFormat Star Letter, you'll be sent a fantastic DTT Deluxe. Almost impossibly tiny, this little USB device gives your Mac powerful digital TV reception.

MacFormat replies: What a great story David, you definitely deserve this month's Letter of the Month prize! We've heard of people finding their stolen iPhones before with the Find my iPhone feature, but this is the first time we've heard of an iPhone app that helped find a stolen car. Let's hope other BMW owners read this and download the app to their iPhones too. Who knows, it just might help them locate their stolen car one day! »

Twitter @#! talk

From the Twittersphere

We asked:
What tech are you hoping to get or give this Christmas?

@viktorericsson
"The 15-inch MacBook Pro."

@iampetemartin
"Tempted to ask the big man for Apple TV. Just don't know if it beats the current setup of iMac linked to HDTV? Probably not."

@craigos_stone
"Just a magic trackpad for my iMac. Not making the most out of gestures right now."

@RoseObsidian
"Giving one iPod Touch to my grand-daughter. Hoping for my first iPhone."

@RyaRichards
"Just got an early present! 13" MacBook Air! Don't tell Santa though!"

@nevbo
"The only tech I want this Christmas is an iPad2!"

@ScottishOrcas
"Never wanted one until I tried one, but now I hope Santa brings me one of the new 'keyboard-less' Amazon Kindles."

@lois_sandwich
"I would love to get an iPad, but the only way I'm going to get one is if I give it to myself."

@conceptweet
"I can never wait til Xmas to get new tech!"

You can find out what we're up to each month by following the team at Twitter.com/MacFormat

Arrogant Apple

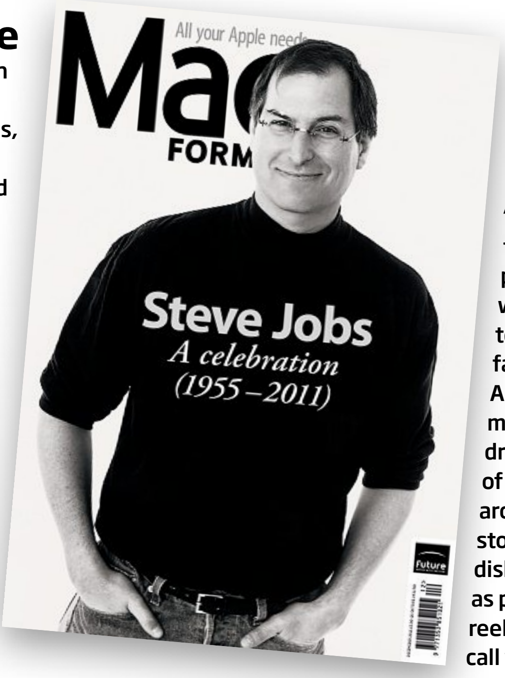
Most Mac owners are bullish about how Apple will cope after the death of Steve Jobs, arguing that he put a great team in place before he died and the company will go from strength to strength. They're deluded.

When Jobs was ousted from the company he co-founded back in 1985, Apple fell to pieces. Its product lines were all over the place, the Mac lost the design excellence that set it apart from other computers and forays into new markets proved an expensive joke. Does anyone have fond memories of the Pippin, a games console without the games? Or the Newton, comedy handwriting 'recognition' system? Thought not.

From the mid-80s onwards, Apple lost money hand over fist; it wasn't until after Jobs returned in 1997 that it returned to profitability. So how is the company not a one-man outfit? Apple is in trouble, and those that say otherwise have short memories.

Ian Westbourne

MacFormat replies: Hold your horses, Ian! Apple was never just the work of one man, and as visionary as Steve Jobs was, he spent his last years at the company putting a team in place that he was sure would see Apple through for the long term. This isn't the 90s, and we don't think Apple is about to lose its way anytime soon. Judging by the professional way that Tim Cook unveiled the iPhone 4S at the last Apple product launch, Apple's future is looking secure. Sure, he doesn't have Steve Jobs' charisma. But then, who does?



If you missed our Steve Jobs tribute issue it's still available to buy - see page 105 for details.

Steve Jobs tribute issue

I already subscribe to *MacFormat* and really enjoy the issues, especially the Steve Jobs tribute, which I personally felt was the best tribute to the man that could have been done.

Max Slater-Robins

MacFormat replies: Thanks Max, the whole team was really pleased with that issue of *MacFormat*. We like to think it was a fitting tribute to the man, without whom this magazine would never have existed.

The new Mac mini - what's missing? The optical drive, of course.

Optical error

Back in 1997, the world scoffed when the iMac was released without a floppy drive. 'Major mistake', they cried. 'People still need floppies.' But Apple was proven right. Fledgling writable CD and DVD technologies came of age far faster than expected. And as the price of flash media fell, USB thumb drives became the format of choice for moving files around the office. As a storage medium, floppy disks were soon as obsolete as punch cards and reel-to-reel magnetic tape. Apple's call was vindicated.

Fast-forward a decade and a half, and optical drives seem to be going the same way. The MacBook Air gets along fine without one, and they've recently been dropped from the Mac mini. How much longer will it be before they disappear from the iMac and the MacBook Pro, maybe to make room for a solid-state storage drive alongside the hard drive?

This time, Apple has got it wrong. The floppy was a one-trick pony, used for computer data storage and nothing else. The optical disc is more versatile, and won't disappear any time soon. Even after eight years of *iTunes*, there are still plenty of folk buying music CDs, DVD movies and Blu-ray discs, as well as using discs for data files. People still want optical drives. I hope Apple doesn't abandon them any time soon.

Ricardo Gossard

MacFormat replies: Apple's vision of the future seems to involve everything being in the cloud and products delivered digitally. We agree with your point about the floppy drive being fundamentally different to the optical drive though. Luckily Apple also sells its portable external SuperDrive (£66), which works over USB, so it hasn't dropped optical drive support yet. ●

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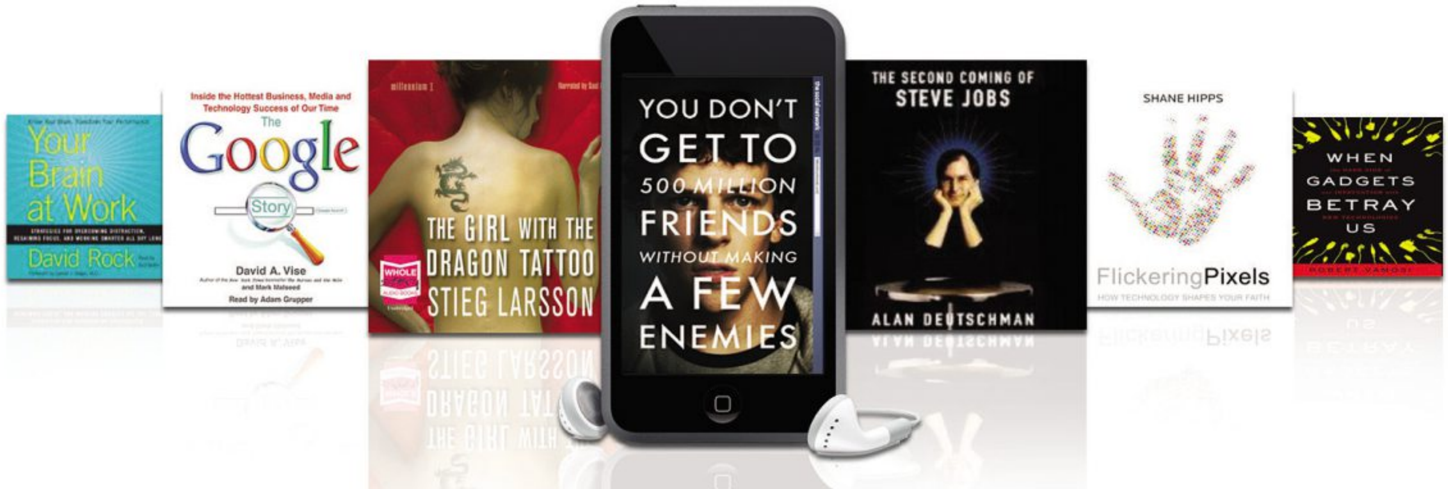
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WHEN GADGETS BETRAY US
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Words: Graham Barlow

MacFormat investigates

Is Siri just a gimmick?

Apple is edging us ever closer to a voice-controlled future with Siri. But does Apple's new personal assistant work in the real world? Let's investigate…

Life is never quite like the adverts, is it? Take the promotional video on Apple's website for Siri, the new voice-controlled personal assistant inside Apple's iPhone 4S. It shows a buff-looking chap out for a jog along the pier in San Francisco scheduling meetings, sending text messages and listening to his voicemail while commanding the iPhone, using only Siri. I can just imagine what Siri would make of my out-of-breath puffing and panting while running clumsily along the canal path in Bath.

"Siri! Call… an… ambulance… quick! I think I'm having a heart… attack. Thanks!"

Somehow I don't think that image would have made the cut in Apple's world. Still, I wasn't going to get intimidated by the steely pecs of a paid actor and Apple's notion of the ideal way to use Siri. With my iPhone 4S in hand, I was going to give Siri a good run for its money over the course of a month and find out what it's like to use in the real world.

Week 1: Getting Siri-ous

Voice control is nothing new in phones. Just as the iPhone wasn't the first touchscreen phone, so Siri isn't the first voice-activated phone. In fact, the iPhone already had Voice Control built in, for starting and stopping your music, or calling people from your Contacts list using your voice. So what makes Siri any different from that?

Using Siri is pretty easy. You just press and hold the Home button, or you can activate a setting that enables Siri whenever you raise your iPhone to your ear. In both cases you should hear a couple of beeps, which is Siri indicating that it's listening. You then say your commands and pause. Another beep indicates that Siri has received your commands and is ready to start processing them.

But the key thing about Siri is that it's not just voice control. It works as a virtual assistant. So, as well as controlling the basic functions of your phone, such as the iPod app,

»

Look who's talking. Could Siri change the way we control our lives?

Videos
YouTube
Maps
Weather
Notes
Reminders
Clock
Game Center
Newsstand
iTunes
App Store
Settings
Phone
Mail
Safari
Music
What can I help you with?

it can help you send text messages and emails, and order things from businesses. So, you could say something like, "Send some flowers to Sue" and it would find the number of a local florist for you. Or it *would* if that feature worked in the UK, but more of that later.

But what really makes Siri different is that you don't have to talk to it in the stilted language that restricts what you could say. And, let's face it, this is what we've come to expect from voice control systems. So, gone are the specific terms, such as "Call Steve" or "Play next track". With Siri, you feel like you're having a conversation with a real person. Siri chats go something like this:

"How are you today, Siri?"

"I'm fine, Graham. Thanks for asking."

"What's in my calendar today?"

"Okay, here's your appointment…"

"Cancel my appointment today."

"This is a recurring event – shall I remove all occurrences or just this one?"

And so on, with Siri intelligently working out what you're trying to do. Apparently Siri also becomes more attuned to your particular voice the more you use it, but I found it worked pretty well straight out of the box for me. So long as you speak quite clearly and don't slur your words it seems very accurate. The only problem I had getting Siri to recognise what I was saying was when I wanted to contact a name that wasn't traditionally British. "Savatore", for instance, proved problematic. It's also been widely reported that Siri has problems recognising certain Scottish accents, but since I hail from the Shropshire borders that wasn't an issue for me.

Siri can set up your dates and meetings quickly and intuitively.

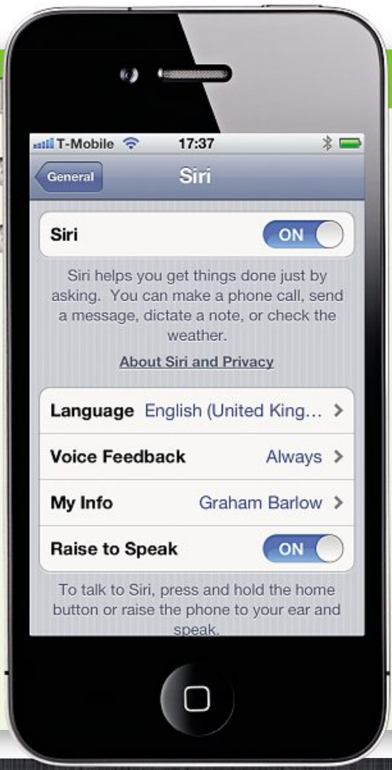
T-Mobile
16:13
OK, I set up your meeting for today.
16
Wednesday, November 2011
Meeting with Ian Ro...
17:00
Cancel
Confirm

> *"You can joke around with Siri – references to opening the pod bay doors are met with amusing rebuttals"*

» BATTLE OF THE SEXES

Siri has a female voice in the US, but a male voice in the UK. I can only imagine the billions of dollars of research that has gone into deciding that an English accent sounds better in a male voice and an American accent sounds better in a female voice, but we're stuck with the way Apple has decided to do things. If you want Siri to sound female your only choice is to go into Settings > Siri and change to Language (United States). Siri will now have the US female voice, but it will expect you to talk with an American accent, which means its accuracy drops dramatically. Unless of course you really do talk to it in an American accent, in which case be prepared for people offering you directions when you don't need them. The other languages on offer are French, German and English (Australian).

The Settings app now comes with a new Siri entry, which contains your language options.



Siri ON

Siri helps you get things done just by asking. You can make a phone call, send a message, dictate a note, or check the weather.

About Siri and Privacy

Language English (United King…

Voice Feedback Always

My Info Graham Barlow

Raise to Speak ON

To talk to Siri, press and hold the home button or raise the phone to your ear and speak.

Week 2: Omissions

The main drawback of Siri becomes very obvious within your first week of using it, but by week 2 it was really starting to grate. While our US cousins are free to experience the full-fat version of Siri, any attempt to do anything truly groundbreaking in the UK is met with "Sorry, Graham, I can only look for businesses in the United States, and when you're using US English". Hmm.

The same applies for maps and traffic information. There's a "Search the Web" button underneath the message that launches a Google search but it's a messy solution, and even with locations services turned on for Google you don't get as useful results for "Find me a cinema" as you do for "Find me a cinema in Bath, UK".

It's a pretty devastating omission for people outside of America, and we can only live in hope that a future software update will deliver this functionality, because without it Siri is crippled.

On the positive side I'm really starting to appreciate Siri's "attitude" (for want of a better word). You can joke around with Siri – references to opening the pod bay doors (from the film *2001: A Space Odyssey* in which HAL 9000, the ship's voice control computer, decides to bump the crew off one by one) are met with amusingly curt rebuttals.

By placing calls, creating reminders and texting people, using Siri has now become second nature, but in the real world I'm finding that voice control still has issues. If you're in a noisy environment Siri can't tell when you've stopped speaking and keeps listening to the noise around you, resulting in corrupted commands. So, if I'm in a crowded bar I'm finding I have to step outside to use Siri. Putting headphones on and using the microphone helps, but it's hard to see how Apple, or anybody else for that matter, is going to overcome this particular problem with voice-controlled devices.

Week 3: No Facebooking

I'm starting to appreciate some of the useful stuff Siri does now. For instance, ask it "How far away is Venus?" and it will bring up a fact sheet showing how far away Venus is and a whole host of other details, such as its distance to the sun and its orbital properties. These details all come from the Wolfram Alpha search engine, but they're nicely presented in the Siri interface without the need to fire up a web page.

Other factoids are also available. Ask Siri "How many kilograms are in 14 stones?" and you get a similar fact sheet of results. (It's 88.9kg, if you're interested). It also works for maths questions, like "What is 9 times 7?" or "What is the square root of 25?". See our feature on pages 76 and 77 for more tips like this.

Now I'm fully into the swing of Siri I'm starting to get a little more frustrated about what it *can't* actually do. You can easily reschedule a meeting, changing its time and date with ease, but you can't make that meeting an hour longer, for example. And the fact you can't control third-party apps on your iPhone using Siri also seems unnecessarily restrictive. That means no Twitter or Facebook posts from Siri. It would seem such a natural fit to say "New tweet", or "Tweet this", but this feature isn't enabled… yet.

One month in: The verdict

I'm so used to using my devices through screens, keyboards and mice that voice control did feel unnatural and uncomfortable to start with. Of course, products such as *Dragon Dictate* from Nuance (**www.nuance.com**) have been providing voice control services to Mac users for ages now, but they are really designed to work best with headphones on, which doesn't always mix well with a busy open-plan office. Siri has the same problems when it's in a noisy environment, which brings me nicely back to that buff actor running along the pier in San Francisco – that actually is the ideal environment to use Siri in, at the moment. Or in the car – provided your kids aren't yelling.

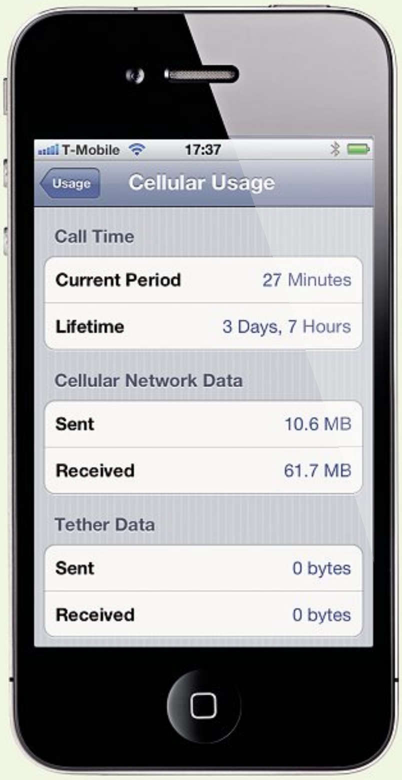
The main accusation levelled against Siri is that it's nothing but a gimmick, and that voice control is nothing new. I hope I've shown in this feature that Siri goes beyond simple voice control, and that it's genuinely useful. It's worth noting that Phil Schiller, Apple's Senior Vice President of Marketing, described Siri as a "beta" at the launch of the iPhone 4S. And there's clearly a long way to go before we can start to talk to our machines as if they were a human and not notice the difference. But the current Siri implementation does offer a tantalising glimpse of what's possible.

A TRIP TO APPLE'S SERVERS

When you're using Siri you'll notice that your iPhone 4S contacts the internet to process every single command you utter. Strangely, it seems that Siri requires an internet connection to work in all cases. If you put your iPhone into Airplane mode (so there's no data connection available at all) then Siri simply refuses to work; instead you get a message saying it can't find a network. It can't even play tracks from your iPod app without having a connection. So what's going on? Is Apple spying on your phone use? And do you need to worry about how much data is being sent to Apple's servers?

It turns out the average amount of data being sent on every Siri request is about 63k – so 10 Siri requests a day would result in 630k of data, which if you're on a limited data account could be significant, but we're still talking about just a few megabytes over the course of a month, which is peanuts.

What we're more concerned with is whether our Siri commands are being monitored. Apple is staying tight-lipped on the subject, but we suspect that it's paying close attention to what people are using Siri for in an effort to improve the service.



Cellular Usage

Call Time

Current Period	27 Minutes
Lifetime	3 Days, 7 Hours

Cellular Network Data

Sent	10.6 MB
Received	61.7 MB

Tether Data

Sent	0 bytes
Received	0 bytes

Siri sends a small amount of data on every request.

> *"James T Kirk didn't have to tap messages to his ship's computer on a touchscreen to get things to happen"*

Without the ability to search for UK businesses at the moment, Siri is fatally flawed in this country. And there's no official word from Apple about when we can expect the UK business searching to be turned on, but there's every reason to expect that it will. Phil Schiller said in his keynote: "As we've said it will be beta at the start…. By beta we mean that we'll add more languages over time and more services over time as well."

T-Mobile
16:12

This might answer your question:

Input interpretation
kg (kilogram) + 14 stone

Results
14.16 stone
89.9 kg (kilograms)

Unit conversions
24.78 cloves
14 stone 2 pounds 3.274 ounces
198.2 lb (pounds)
198 pounds 3.274 ounces
89 904 grams

Siri can also offer some useful facts to support all manner of queries.

Sure, Siri works, and it works well, but if you've already got an iPhone 4 you're probably wondering if it's worth upgrading to an iPhone 4S just to experience Siri? Well, while it's nice, we'd say it would be better to wait until the UK business searching comes online, because upgrading your iPhone is a costly manoeuvre.

But all our niggles do seem a little picky when you look at the big picture. First, Apple gave us the mouse with the original Mac, then the touchscreen with the iPhone and iPad, and now Siri is here, making voice control a reality. It's the next logical step to a *Star Trek*-inspired future that Apple devices always seem to be heading towards. James T Kirk didn't have to tap messages into his ship's computer onto a touchscreen to get things to happen, and Apple doesn't think you need to either. Sure, Apple didn't invent any of the aforementioend technologies, but it popularised them like nobody else could. That's what Apple does best – it doesn't invent new technology, as such, it simply makes it work in the best way possible.

As it stands, going back to using a phone without Siri already seems like a backward step to me, and once Siri moves beyond the beta phase it will start getting really exciting. It's become a part of the way I use my phone, and I'm already looking forward to the day I can talk to my Apple TV and my Mac in exactly the same way that I can to my iPhone. ●

Top 10 cheeky Siri responses

Siri is the personal assistant with attitude. Here are some of its funny replies to our questions…

“Open the pod bay doors, Hal”

I’m sorry Graham, I’m afraid I can’t do that.

Are you happy now?

“Tell me a joke”

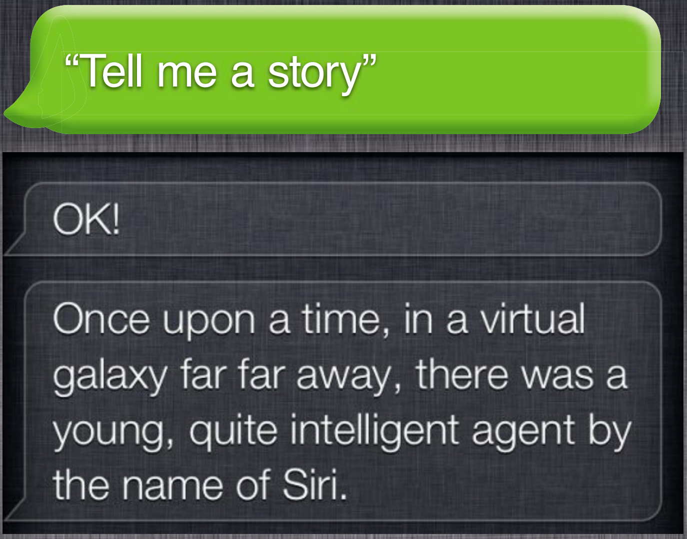
Two iPhones walk into a bar… I forget the rest.

“What’s your favourite colour?”

Graham, you’re not supposed to ask your assistant such things.

“What do you look like?”

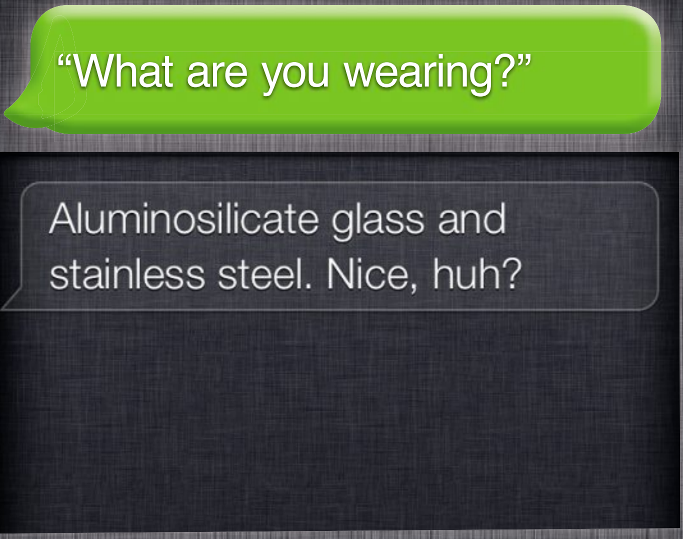
Your interest flatters me, but… is there something I can do for you?



“Tell me a story”

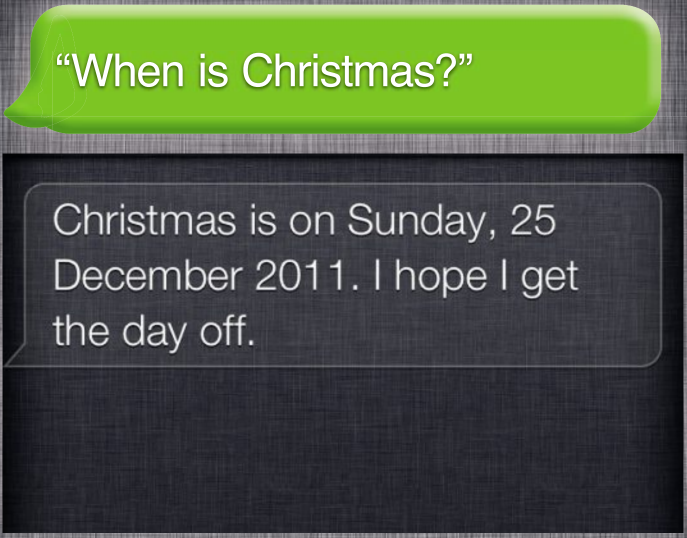
OK!

Once upon a time, in a virtual galaxy far far away, there was a young, quite intelligent agent by the name of Siri.



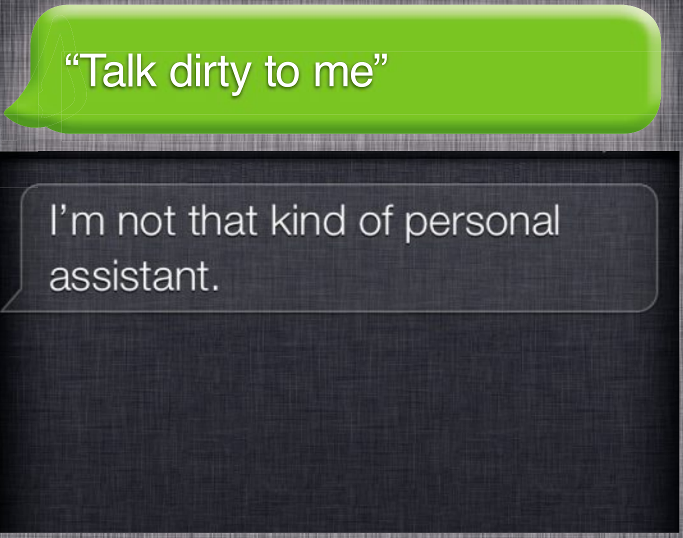
“What are you wearing?”

Aluminosilicate glass and stainless steel. Nice, huh?



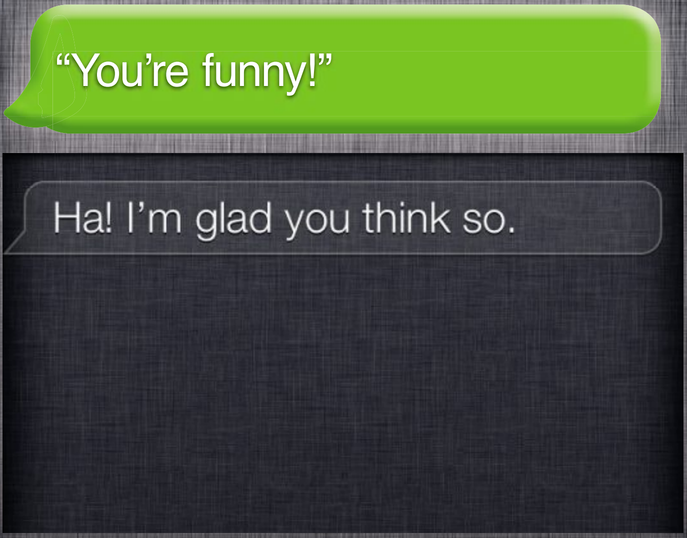
“When is Christmas?”

Christmas is on Sunday, 25 December 2011. I hope I get the day off.



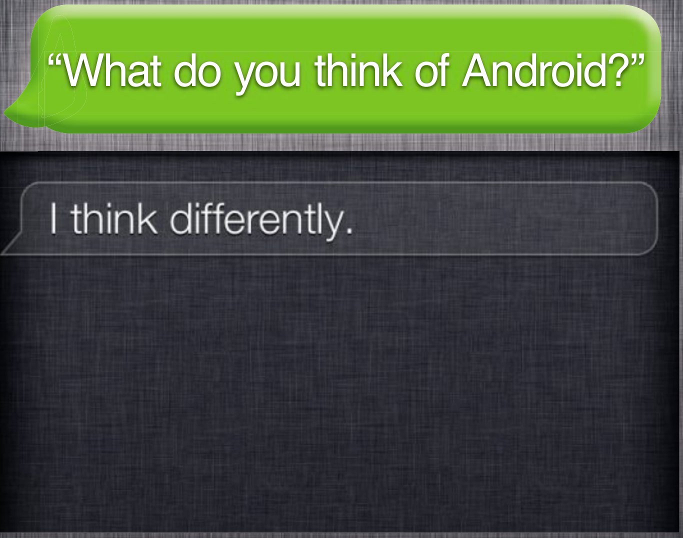
“Talk dirty to me”

I’m not that kind of personal assistant.



“You’re funny!”

Ha! I’m glad you think so.



“What do you think of Android?”

I think differently.

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All your
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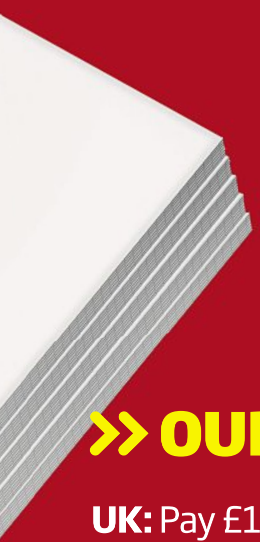

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Words: Nik Rawlinson & Graham Barlow

Pick the perfect Mac for Christmas

Treat someone special to a gift they'll never forget, using our guide to Macs, iPhones, iPods and iPads

d344
Dashboard
Desktop
Safari
Safari
Finder
Disk Utility
MacBook Air

Christmas is coming, the geese are getting fat, and if you haven't already started your shopping, time is running out. That's why we're here to help, with a complete guide to buying a Mac for your loved ones. With December upon us, time is pressing. But it's not too late to place an order online or pop down to your local Apple Reseller to pick up the perfect present.

Right now, Apple's Mac line-up is more attractive than ever before. It's clear that the company has been working hard to shed its image as a pedlar of overpriced goods. The MacBook Air is the best-looking notebook ever produced – by anyone – and can be wrapped and stacked beneath your tree for a bargain £849. But if that's still too rich for your tastes, then buy in at the bottom end, where the Mac mini's alliterative name describes not only its size, but also the price. £529 spent here buys you an Intel Core i5 processor and a 500GB hard drive, bundled together in the perfect space-saving starter Mac for adults and kids alike.

Over the next 14 pages, we'll guide you through the process of choosing a Mac, whoever you're buying for. We'll also pick out the best add-ons for each range, with prices starting from just £15. Times may be tight, but with some careful shopping, the cash you spend on a Mac this Christmas will reap rewards for years to come. >>

Winter fun
11 of 172
MacBook Air

MacBook Air

Slim enough to slip inside a Christmas card… almost

The lightest, slimmest, most attractive Mac is also the cheapest Apple notebook. The MacBook Air starts at £849, and the bang-for-buck equation weighs heavily in its favour.

Apple has done away with traditional hard drives and rolled out solid-state storage across the range, so expect short boot times, speedy application startups and super-quiet running.

The default setup is built around the Intel Core i5 processor, running at 1.6GHz in the 11-inch models and 1.7GHz in the 13-inch ones; upgradeable to 1.8GHz Core i7 in the more expensive 11-inch and 13-inch models. These are a significant step up from the Core 2 Duo chips that preceded them, and are reason enough to buy new rather than opting for second-hand from eBay. Apple claims speed hikes of up to 2.5x over the previous generation, and improvements to graphics courtesy of the Intel HD Graphics 3000 processor. This is an integral part of the processor, which means the two can share the same internal cache memory to further boost performance. Apple claims you'll reap the rewards when playing video and using FaceTime, but it's gamers who should really benefit, with faster 3D processing for more realistic graphics.

The Air is renowned for being light on ports, but it still has two USB ports, a MagSafe power socket, a headphone socket and, in the 13-inch models, an SDXC media card slot. Under the hood it has AirPort wireless networking and Bluetooth. Alongside these you'll find the Thunderbolt port that Apple is rolling out across its range. Likely to one day replace USB for connecting cameras and drives, it also lets you extend your desktop to the luscious 27-inch Thunderbolt Display. This sort of screen is great for students who plan to use the Air as not only their day-to-day workhorse, but also their in-digs entertainment.

So which one should you buy? Unless you plan on investing in an external display, your recipient may find the 11-inch models somewhat poky. Their native resolution is just 1366x768, which is 300 pixels wider

MacBook Air 11in

£849

• 11in screen • 1366x768 (plus up to 2560x1600 on external display) • 1.6GHz dual-core Intel Core i5 • 64GB flash storage • 2GB RAM • Intel HD Graphics 3000 chip with 256MB shared memory • Up to 5 hours wireless browsing or 30 days standby • 45W MagSafe Power Adaptor • 802.11n wireless networking built-in • Bluetooth 4.0; 2x USB2.0 ports; Thunderbold port • No optical drive; optional external SuperDrive or drive sharing with Mac or PC • OS X 10.7 Lion; iLife

Optional upgrades: Memory to 4GB: £80 • SuperDrive: £66

MacBook Air 13in

£1,099

• 13in screen • 1440x900 (plus up to 2560x1600 on external display) • 1.7GHz dual-core Intel Core i5 • 128GB flash storage • 4GB RAM • Intel HD Graphics 3000 chip with 384MB shared memory • Up to 7 hours wireless browsing or 30 days standby • 45W MagSafe Power Adaptor • 802.11n wireless networking built-in • Bluetooth 4.0; 2x USB2.0 ports; Thunderbold port; SDXC card slot • No optical drive; optional external SuperDrive or drive sharing with Mac or PC • OS X 10.7 Lion; iLife

Optional upgrades: SuperDrive: £66

MacBook Air 11in

£999

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Optional upgrades: 1.8GHz dual-core Intel Core i7 processor: £150 • 256GB flash storage: £50 • External SuperDrive: £66

MacBook Air 13in

£1,349

• 1440x900 (plus up to 2560x1600 on external display) • 1.7GHz dual-core Intel Core i5 • 256GB flash storage • 4GB • Intel HD Graphics 3000 chip with 384MB shared memory • Up to 7 hours wireless browsing or 30 days standby • 45W MagSafe Power Adaptor • 802.11n wireless networking built-in • Bluetooth 4.0; 2x USB2.0 ports; Thunderbold port; SDXC card slot • No optical drive; optional external SuperDrive or drive sharing with Mac or PC • OS X 10.7 Lion; iLife

Optional upgrades 1.8GHz dual-core Intel Core i7: £100 • SuperDrive: £66

and exactly the same height as a landscape-held iPad. The 13-inch model has a more reasonable 1440x900 pixels at its disposal, but starts at £1,099 – a £250 hike on the cost of the entry level 11-inch model.

That would be pretty steep if all you were buying was a few extra pixels, but it does also bag you a longer-lasting battery (seven hours rather than five), double the system memory, a 50% boost to the amount of graphics memory and twice the amount of flash storage. The increase in storage alone makes it £250 well spent, as the £849 model's 64GB drive looks distinctly mean now that it's matched by the iPhone 4S.

The 11-inch MacBook Airs are certainly the most alluring notebook computers in Apple's current line-up, but the 13-inch options are more powerful in every sense. If there's any way you can afford to spend a little more, they make a far better and longer-lasting present.

Apple updates the MacBook Air roughly every summer, so expect it to stick with its current specs for another six months or so.

» TOP FIVE ACCESSORIES

Apple Thunderbolt Display

£899 From Apple online store (**http://bit.ly/uEAILs**)

Give the MacBook Air room to breathe with Apple's glorious 27-inch display. A built-in MagSafe connector will keep the notebook battery topped up. It also solves the problem of having too many gadgets for the Air's dual USB ports, with its own hub with three USB, one FireWire 800, Gigabit Ethernet and a Thunderbolt port.

Griffin Techsafe Cable Lock System

£20 From Amazon (**http://amzn.to/rLPPCZ**)

A MacBook Air is easily swiped from an office, digs or coffee shop. Solve the issue with a Griffin TechSafe Cable Lock. Its hardened steel blade slips through the notebook hinge, so it doesn't block any of the ports. The four-digit lock mechanism doesn't even need keys.

Speck SeeThru Satin MacBook Air 13in Case

£38 From GearZap (**http://bit.ly/uczT3k**)

This sleek sleeve protects your MacBook Air without spoiling its good looks. The two-part design snaps onto either side of your notebook, leaving the ports free so you can keep it in place while you're working. It comes in both 11-inch and 13-inch sizes and a choice of crazy colours, including the 'clementine' option seen here.

TwelveSouth BookArc for Air

£35 From Amazon (**http://amzn.to/uZWXCy**)

This is the smartest, simplest stand we've seen for any computer – not just the MacBook Air. A graceful curve of heavy duty steel, the BookArc holds your Air vertically, almost like a shark's fin. What's more, your MacBook's wires stay out of the way thanks to the integrated cable management system. It's compatible with the 2011 and late 2010 designs of both the 11-inch and 13-inch MacBook Airs.

Belkin Flex Hub

£15 from Expansys (**http://bit.ly/t7T5rC**)

Don't put up with the Air's slim selection of ports. Add a hub like Belkin's clever swivelling four-port USB dongle and you can quadruple the number of devices attached to each side while rotating the hub through 180 degrees to prevent tangles.

»

MacBook Pro

The chunkier choice, piling on pounds and power

Finder
Edit
View
Fri 12:00
MacBook Pro

MacBook Pro 13in

£999

• 13in screen • 1280x800 • 2.4GHz dual-core Intel Core i5 with 3MB level 3 cache • 500GB 5400rpm HDD • 4GB RAM • Intel HD Graphics 3000 with 384MB shared memory • 802.11n AirPort • Bluetooth 2.1+EDR; Gigabit Ethernet; 1x FireWire 800 port; 2x USB2.0 ports; SDXC card slot; Thunderbolt port • 8x SuperDrive • OS X 10.7; iLife

Optional upgrades: Memory to 8GB: £160 • 750GB HDD: £80 • 128GB SSD: £160 • 256GB SSD: £480 • 512GB SSD: £960

MacBook Pro 13in

£1,299

• 13in screen • 1280x800 • 2.8GHz dual core Intel Core i7 with 4MB level 3 cache • 750GB 5400rpm HDD • 4GB RAM • Intel HD Graphics 3000 with 384MB shared memory • 802.11n AirPort • Bluetooth 2.1+EDR; Gigabit Ethernet; 1x FireWire 800 port; 2x USB2.0 ports; SDXC card slot; Thunderbolt port • 8x SuperDrive • OS X 10.7 Lion; iLife

Optional upgrades: Memory to 8GB: £160 • 128GB: £160 • 256GB SSD: £480 • 512GB SSD: £960

MacBook Pro 15in

£1,549

• 15in screen • 1440x900 • 2.2GHz quad-core Intel Core i7 with 6MB level 3 cache • 500GB 5400rpm HDD • 4GB RAM • Intel HD Graphics 3000 plus AMD Radeon HD 6750M with 512MB dedicated • 802.11n AirPort; Bluetooth 2.1+EDR; Gigabit Ethernet; 1x FW 800; 2x USB2.0; Thunderbolt port • 8x SuperDrive

Optional upgrades: RAM to 8GB: £160 • 750GB HDD: £80 • 750GB 7200rpm HDD: £120 • 128GB SSD: £160 • 256GB SSD: £480 • 512GB SSD: £960

MacBook Pro 15in

£1,849

• 15in screen • 1440x900 • 2.4GHz quad-core Intel Core i7 with 6MB L3 cache • 750GB 5400rpm HDD • 4GB RAM • Intel HD Graphics 3000 plus AMD Radeon HD 6770M with 1GB dedicated • 802.11n AirPort; Bluetooth 2.1+EDR; Gigabit Ethernet; 1x FW 800; 2x USB2.0; Thunderbolt port • 8x SuperDrive

Optional upgrades: 2.5GHz Core i7: £190 • RAM to 8GB: £160 • 750GB 7200rpm HDD: £40 • 128GB SSD: £80 • 256GB SSD: £400 • 512GB SSD: £880

MacBook Pro 17in

£2,099

• 17in• 1920x1200 • 2.4GHz quad-core Intel Core i7 with 6MB L3 cache • 750GB 5400rpm HDD • 4GB RAM • Intel HD Graphics 3000 plus AMD Radeon HD 6770M with 1GB • AirPort • Bluetooth 2.1+EDR; Gigabit Ethernet; 1x FW 800; 3x USB2.0; Thunderbolt; ExpressCard slot • 8x SuperDrive •

Optional upgrades: 2.5GHz Intel Core i7: £200 • RAM to 8GB: £160 • 750GB 7200rpm HD: £40 • 128GB SSD: £80 • 256GB SSD: £400 • 512GB SSD: £880

The MacBook Pro picks up where the Air left off, with 13-inch, 15-inch and 17-inch screens. The largest of these is impractical for use on a train or plane, so only buy one if your recipient wants a machine that's easy to move around while primarily being used at a desk. It was most recently updated at the end of October, so buy now for the latest spec.

It might not have the Air's good looks, but the Pro line-up has much to recommend it. For starters, they have better processors. The entry-level 13-inch, 2.4GHz model has a faster version of the Core i5 found in the 11-inch MacBook Air, with Core i7 standard across each of the others. In the higher-specced 13-inch device this is a dual-core model running at 2.8GHz, but in the 15-inch and 17-inch models it's a quad-core chip, which would deliver a significant performance boost even without the faster native speeds. Where the fastest possible MacBook Air runs at 1.8GHz after the optional upgrade, the 15-inch MacBook Pro starts at 2.2GHz, making it a more capable machine all round.

The Pros all use the same Intel HD Graphics 3000 processor seen in the Air for their day-to-day display tasks. In the 15-inch and 17-inch models this is supplemented by the AMD Radeon HD 6750M or 6770M, with either 512MB or 1GB of dedicated memory. The MacBook Pro automatically diverts demanding graphics tasks to avoid impacting performance.

> *"The MacBook Pros all use the same Intel HD Graphics processors seen in the Air for their day-to-day display tasks"*

The MacBook Pro is your only choice if you want an internal optical drive. The built-in slot-loading device can read and write dual-layer discs, allowing you to back up up to 9GB of data at a time. And with the inclusion of a Thunderbolt port, now featured on all of Apple's computers apart from the Mac Pro, you can connect both the 17-inch Thunderbolt display and a small but growing range of high-speed external storage devices.

Apple has never been shy to jettison what it sees as legacy technology, but to date the MacBook Pro has retained an impressive array of ports. It allows you to connect just about any device produced in the last five to 10 years, with Gigabit Ethernet, USB 2.0 and FireWire 800 all present and correct.

Choosing a MacBook Pro is tricky, so concentrate on the basics. If your recipient is a wordsmith, surfer and occasional gamer, opt for the entry-level 13-inch 2.4GHz model. For creative users, invest in the 15-inch 2.2GHz or 2.4GHz machines so that they benefit from the quad-core processor and dual graphics processors. Only look at the 17-inch device if the person for whom you're buying is looking for all of the benefits of an iMac with the added convenience of portability. For the vast majority of student and home users, it boasts more power than they could ever hope to put to good use.

» TOP FIVE ACCESSORIES

2TB Time Capsule

£233 From Jigsaw Systems (**http://bit.ly/v0rSfs**)

A wireless access point, a sleek network-attached drive, the ultimate backup device… However you look at a Time Capsule, it's one of the most versatile gifts you can give. It could save your recipient from losing valuable data in the event of a catastrophic crash or the loss of their Mac. That's peace of mind accounted for.

LaCie USB 3.0 PCI Express Card

£60 From LaCie (**http://bit.ly/u6SFXV**)

LaCie
LaCie USB 3.0 ExpressCard34

Upgrade the 17-inch MacBook Pro to take the latest, fastest add-ons with the help of this slot-in USB 3.0 card. It opens up a world of high-speed drives that consume less power than their rivals, and also works for USB 2.0. Sadly it's not compatible with the 13-inch and 15-inch models as they lack the necessary ExpressCard/34 slot.

Griffin Elevator

£36 From Solutions Inc (**http://bit.ly/vtN9Yj**)

Sitting scrunched over a laptop all day isn't good for your back. We recommend investing in a keyboard for those times when you're not working on the move – and the Griffin Elevator to lift your MacBook Pro to eye level when perched on the desk. Its clean, minimalist lines have a beautiful simplicity, and the void left below your laptop is perfect for storage space.

Tucano Workout Backpack 15in

£45 From Currys (**http://bit.ly/vX1hzd**)

Slip your gifted MacBook Pro into a backpack and you needn't even wrap it. Tucano's smart Workout Backpack is available in blue, black and purple and in three sizes to fit the 13-inch, 15-inch and 17-inch MacBook Pros. With a padded compartment, an organised pocket to the front and reinforced shoulder straps, it's an easy way to carry around that precious piece of kit.

Henge Dock

Around £50 From Cancom (**http://bit.ly/r0MwSu**)

HENGE·DOCKS

These are perfect for anyone who uses their MacBook Pro with an external monitor. Henge Docks' ingenious upright stands plug directly into your notebook's USB, FireWire, Ethernet, audio and display ports so that you can pass data through to them without removing it from the stand. They keep your notebook out of the way while showing off its clean lines.

Mac mini

This stripped-down Mac is a perfect starting point

Are you buying for a PC-to-Mac switcher? Then buy a Mac mini. You'll save money and they'll get to keep the keyboard, screen and mouse they have already chosen for themselves. Bear in mind, though, that there's no DVI port in the Mac mini, so if your recipient will be using a monitor they already own, be kind and throw in a Thunderbolt-to-DVI adaptor to get them started.

Even if the person you're buying for isn't a switcher, the mini is a great choice for anyone for whom space is tight. You're not paying a premium for a portable device with the built-in keyboard, display and glass trackpad found on the notebooks. And while the mini shares many of these common components, you'll end up spending less in the first place.

In its latest iteration, released in July, the Mac mini has followed the MacBook Air's lead and jettisoned the optical drive. The idea is that you should download software, either from the Mac App Store or developers' own sites. But if your recipient is a traditionalist or they have a large CD collection they want to rip to *iTunes*, they'll need to get the optional External SuperDrive (see box) or share the drive of a nearby Mac or PC.

Apple has two Mac minis for consumers, and one running OS X Lion Server for home and small businesses. The two consumer devices are built around the Intel Core i5 processor found in the MacBook Air and entry-level MacBook Pro. These run at either 2.3GHz or 2.5GHz in this instance, depending on which model you've bought, with 2GB of memory in the 2.3GHz device and 4GB in the 2.5GHz edition. They both sport a 500GB hard drive, which having been designed for notebook use spins at just 5400rpm. If you want to get close to rivalling conventional desktop speeds, consider upgrading to the 750GB, 7200rpm device, which is an optional extra for either model. Alternatively, if your recipient has really behaved themselves over the last year, buy the 2.5GHz mini and treat them to either the

Mac mini 2.3

£529

• 2.3GHz dual-core Intel Core i5 with 3MB level 3 cache • 500GB 5400rpm HDD • 2GB • Intel HD Graphics 3000 with 288MB shared • 2560x1600 via Thunderbolt; 1920x1200 via HDMI • Audio line-in; audio line-out; HDMI audio output; built-in speaker • 802.11n AirPort; Gigabit Ethernet • Bluetooth 4.0; 1x FW 800; 4x USB 2.0; • OS X 10.7 Lion; iLife

Optional upgrades: RAM to 4GB: £80 • RAM to 8GB: £240 • 750GB HDD: £120 • SuperDrive: £66 • Magic Mouse: £59 • Magic Trackpad: £59 • Apple Mouse: £40 • Keyboard: £40 • W/less keyboard: £57

Mac mini 2.5

£699

• 2.5GHz dual-core Intel Core i5 with 3MB level 3 cache • 500GB 5400rpm HD • 4GB RAM • AMD Radeon HD 6630M with 256MB • 2560x1600 resolution via Thunderbolt; 1920x1200 via HDMI • 802.11n AirPort; Gigabit Ethernet • Bluetooth 4.0; 1x FW800; 4x USB 2.0 • OS X 10.7 Lion; iLife

Optional upgrades: 2.7GHz dual-core Intel Core i7: £80 • RAM to 8GB: £240 • 750GB 7200rpm HD: £120 • 256GB SSD: £120 • 256GB SSD plus 750GB 7200rpm HD: £600 • SuperDrive: £66 • Magic Mouse: £59 • Magic Trackpad: £59 • Keyboard: £40 • W/less keyboard: £57

256GB solid-state drive, or a solid-state / 750GB conventional drive combo for 1TB of super-fast storage.

The 2.3GHz mini's graphics are driven by the Core i5's integrated Intel HD Graphics 3000 processor – in this case drawing on 288MB of the conventional system memory. If you're buying for a gamer or a more demanding creative user, see whether you can stretch your budget by £170 for the 2.5GHz model. Not only will they benefit from the more powerful AMD Radeon HD 6330M graphics processor, but it also has 256MB of faster dedicated memory to power it along.

If you have the money to spend, it's hard to argue against buying the most expensive option in each of Apple's line-ups. Quite simply, they consistently deliver a more powerful configuration that will last longer. However, don't lose sight of the fact that the mini is a great first computer for kids. In that respect, the 2.3GHz, £529 configuration represents great value for money and close to perfect specs.

» TOP FIVE ACCESSORIES

MacBook Air SuperDrive

£66 From Square Group (**http://bit.ly/t0tmTx**)

Apple dropped the SuperDrive from the latest release of the Mac mini. So if your recipient doesn't like the idea of downloading all of their apps, or they want to make disc-based backups, they'll need an external MacBook Air SuperDrive. It's great for ripping a music collection to iTunes, and as it can burn dual-layer DVDs it's perfect for archiving large batches of data to keep the internal hard drive fat-free and running smoothly.

Sonnet MacCuff Mini

£72 From Square Group (**http://bit.ly/rTS1tK**)

The Mac mini is already a space saver, but by mounting it on the back of your monitor, in the style of an iMac, it'll be practically invisible. If your monitor doesn't have the necessary VESA mounting holes you can also screw it onto the underside of a desk, or even the wall. Apart from keeping it out of the way it's also a great security measure.

Griffin Video Display Converter

£22 From Cancom (**http://bit.ly/sJZhWT**)

Apple made sure that Thunderbolt was backwards-compatible with existing Mini DisplayPort displays, so you can plug in a screen you already own, courtesy of a suitable adaptor. Conveniently, the Griffin Video Display Converter has outputs for both DVI and HDMI.

Palo Alto Cubik

£239 From Cancom (**http://bit.ly/vX0b4Z**)

As one of the best-looking computers going, the mini deserves to be paired with some equally attractive speakers. The Cubik brings together expertise from around the world, being crafted in Palo Alto to house Danish-designed Peerless speaker units. They are driven entirely by a USB connection to ensure a crisp, distortion-free signal.

Logitech Wireless Solar Keyboard K750 for Mac

£70 From Logitech (**http://bit.ly/vFiLqC**)

Here's a wireless keyboard that does away with batteries. The Logitech K750 is charged by the sun or ambient electric light, making battery changes a thing of the past. There's even a Solar App for both Mac and Windows that monitors the incoming light level and the current level of charge.

»

iMac

This all in one could be the one for all…

The machine that kicked off a multi-billion dollar revival is still going strong. The iMac is 13 years old and today it looks smarter than ever, with the fifth iteration's two screen sizes – 21.5-inch and 27-inch – neatly encased in the company's trademark unibody shell. It was last updated in early summer, so we'd expect a refresh within the next six months.

Either screen size would make a great gift for someone who doesn't need to work on the move and wants to save space, as they ship with the shrunken Bluetooth wireless keyboard as standard, alongside either the Magic Mouse or Magic Trackpad, all of which can be tidied into a drawer when not in use. The wired keyboard with numeric keypad remains an option that you can swap for the Bluetooth device at no cost. This is only available at the point of purchase, though, so if it won't spoil the surprise be sure to ask your recipient which they'd prefer before you place your order.

The iMac range uses quad-core Intel Core i5 processors from end to end. The entry-level 21.5-inch model sports a 2.5GHz chip, the upper 21.5-inch and entry-level 27-inch units run at 2.7GHz, and the top-end iMac pushes this further to 3.1GHz (upgradable to 3.4GHz). They all come with a base installation of 4GB of memory, which is more than enough for regular day-to-day use. This is upgradeable at the point of purchase, but you'd do better to buy any additional memory from a third-party and fit it yourself. Besides giving you something else to wrap up, it's the cheaper option, with an 8GB upgrade costing an extra £160 if you buy it from Apple, and just £43 from Crucial (http://crucial.com/uk).

Memory is the only user-upgradable part, so if you want a larger internal hard drive then, like the keyboard, this is something to factor in at the point of purchase. The bad news for anyone looking to buy the entry-level machine is that you're stuck with the poky 500GB drive,

iMac 21.5in

£999

• 21.5in screen • 1920x1080 plus 2560x1600 on connected external display • 2.5GHz quad-core Intel Core i5 • 4GB • 500GB 5400rpm hard drive • AMD Radeon HD 6750M with 512MB dedicated memory • Built-in stereo speakers; headphone socket; line-in socket; built-in microphone • 802.11 AirPort wireless networking • Bluetooth 2.1+EDR; 4x USB 2.0 ports; 1x FireWire 800 port; 1x Thunderbolt port; SDXC card slot • OS X Lion; iLife

Optional upgrades:

• Memory to 8GB: £160
• Magic Mouse and Magic Trackpad: £59 • Wired keyboard: Free swap

iMac 21.5in

£1.249

• 21.5in screen • 1920x1080 • 2.7GHz quad-core Intel Core i5 • 4GB • 1TB 7200rpm HD • AMD Radeon HD 6770M with 512MB • 802.11 AirPort • Bluetooth 2.1+EDR; 4x USB 2.0; 1x FW800; 1x Thunderbolt; SDXC card slot • OS X Lion; iLife

Optional upgrades:

• 2.8GHz quad-core Intel Core i7: £160 • RAM to 8GB: £160 • RAM to 16GB: £480 • 2TB HD: £120 • 256GB solid-state drive: £400 • 1TB Serial ATA drive and 256GB solid-state drive: £480 • 2TB Serial ATA drive and 256GB solid-state drive: £600 • Magic Mouse and Magic Trackpad: £59 • Wired keyboard: Free swap

iMac 21.5in

£1.399

• 27in screen • 2560x1440 • 2.7GHz quad-core Intel Core i5 • 4GB RAM • 1TB 7200rpm HD • AMD Radeon HD 6770M with 512MB • 802.11 AirPort • Bluetooth 2.1+EDR; 4x USB 2.0; 1x FW800; 2x Thunderbolt; SDXC card slot • OS X Lion; iLife

Optional upgrades:

• Memory to 8GB: £160
• Memory to 16GB: £480
• 2TB Serial ATA drive: £120 • 256GB solid state drive: £400 • 1TB Serial ATA drive and 256GB solid state drive: £480 • 2TB Serial ATA drive and 256GB solid state drive: £600 • Magic Mouse and Magic Trackpad: £59 • Wired keyboard: Free swap

iMac 21.5in

£1.649

• 27in • 2560x1440 • 3.1GHz quad-core Intel Core i5 • 4GB RAM • 1TB 7200rpm HD • AMD Radeon HD 6970M with 1GB • 802.11 AirPort • Bluetooth 2.1+EDR; 4x USB 2.0; 1x FW800; 2x Thunderbolt; SDXC card slot • OS X Lion; iLife

Optional upgrades:

• Intel 3.4GHz quad-core Core i7: £160 • RAM to 8GB: £160 • RAM to 16GB: £480 • 2TB HD: £120 • 256GB SSD: £400 • 1TB HD and 256GB SSD: £480 • 2TB HD and 256GB SSD: £600 • AMD Radeon HD 6970M graphics with 2GB: £80 • Magic Mouse and Magic Trackpad: £59 • Wired keyboard: Free swap

but if you buy any of the others you can double the size of the pre-installed 1TB device for £120, or swap it out for a 256GB solid-state device for a gutsy £400. If you're doing that, though, consider instead adding the solid-state drive as an adjunct to the 1TB drive already in place. It costs £480 – just £80 more – to have both installed side by side.

Despite its looks and the fact it's designed to be used on a desk, the iMac is a notebook at heart, with all of its components strapped to the back of the screen. This is evident in the choice of graphics processor, with each of the machines in the line-up using mobile AMD chips. The Radeon HD 6750M featured in the entry-level machine will handle all you can throw at it for many years to come, but dedicated gamers will be more impressed by the HD 6770M in the upper 21.5-inch and entry-level 27-inch machine, or the HD 6970M, which is armed with 1GB of memory in the top-end 27-inch device.

» TOP FIVE ACCESSORIES

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eyetv DTT deluxe
TV Tuner Micro-Stick
A perfect fit for your Mac or PC
watch record edit enjoy

Elgato EyeTV DTT Deluxe

£76 From Amazon (**http://amzn.to/sf1pIH**)

The iMac looks like a TV, so why not make it act like one, too? Slot the tiny DTT Deluxe in a spare USB port, and courtesy of the attached antenna and good coverage it'll stream Freeview to your Mac, complete with pause, rewind and record features and a full two-week programme guide. Don't forget: you'll need a TV licence to use this if you don't already have one.

Mobee Magic Charger

£45 From Solutions Inc (**http://bit.ly/tBoVvJ**)

Here's a smart idea: replace the batteries in your Magic Mouse with Mobee's perfectly proportioned power pack. Every time you finish scrolling and pointing, drop the mouse back onto the bundled Magic Charger. This neat cradle wirelessly charges the power pack so that every time you pick it up to start working it's primed and ready for action.

AppleCare for iMac

£142 From Square Group (**http://bit.ly/vf3bHQ**)

AppleCare
Protection Plan

It's the Mac equivalent of buying someone socks, but AppleCare is the belt-and-braces add-on that gives you global repair coverage and direct access to Apple experts for both hardware and selected software fixes, including *iLife* and *iWork*. All Macs are covered by a one-year warranty, and you can buy AppleCare at any point during those 12 months, so it may well be worth keeping your powder dry on this one and adding it to next year's Christmas shopping list.

Blue Microphones Eyeball 2.0

£64 from Amazon (**http://amzn.to/u3rEFL**)

Improve on the iMac's built-in FaceTime camera and integrated microphone with the Eyeball 2.0. It can capture video at up to 1600x1200 resolution, at 30 frames per second, compared to the iMac's native 1280x720. It's great for FaceTime and Skype video calls, too, thanks to the integrated microphone.

Canon Pixma MX410

£82 From Play.com (**http://bit.ly/vEzH0y**)

If you've splashed out on an iMac, you might be starting to feel the pinch. At £65, the MX410 represents extraordinary value for money. Not only does it print, it has copy, scan and fax features, an automatic document feeder and Wi-Fi connectivity for use on a home network.

»

Mac Pro

Flexible, fast, but missing one key component

The Mac Pro is all about versatility. It's better-specced than any other Apple computer, with faster processors, more advanced graphics and greater flexibility than its peers.

However, the biggest advantage in putting a Mac Pro on your Christmas shopping list, rather than an iMac, is the fact that no two machines need ever be the same. It's the most user-serviceable computer Apple makes, with four sled-based hard drive bays giving you a maximum internal storage of 8TB. That's backed up by connected external drives courtesy of the four FireWire and five USB 2.0 ports. More importantly, though, the Mac Pro features three PCI Express expansion slots, which allow you to upgrade the graphics processing features and add, for example, an eSATA port to support fast external drives.

It ships with a wired keyboard and Magic Mouse, but as with the Mac mini you'll also need to budget separately for a display.

We'd urge caution if you're shopping for a Mac Pro right now. It was last updated back in August 2010. Although in itself that doesn't necessarily point to a pending refresh, the lack of a Thunderbolt port leaves it lagging behind such lowly siblings as the Mac mini and MacBook Air. We would expect Apple to rectify this before too long.

Mac Pro

£2,041

• 1 x 2.8GHz quad-core Intel Xeon Nehalem processor • 3GB • 1TB 7200rpm hard drive • ATI Radeon HD 5770 with 1GB dedicated memory • Up to 2560 x 1600 digital output; up to 2048 x 1536 analogue output • 802.11n wireless AirPort networking; Dual Gigabit Ethernet ports • 4 x FireWire 800 ports; 5 x USB 2.0 ports; headphone socket; digital audio input ad output; analogue line-in and -out; audio through Mini DisplayPort; Bluetooth 2.1+EDR • OS X 10.7 Lion

Optional upgrades: See Apple's online store for the huge range of optional upgrades available.

Mac Pro

£2,859

• 2x 2.4GHz quad-core Intel Xeon Westmere processors • 6GB • 1TB 7200rpm hard drive • ATI Radeon HD 5770 with 1GB dedicated • Up to 2560x1600 digital output; up to 2048 x 1536 analogue output • 802.11n AirPort wireless; Dual Gigabit Ethernet ports • 4x FireWire 800 ports; 5x USB 2.0 ports ; Bluetooth 2.1+EDR • OS X 10.7 Lion • Processor alternatives: 2x 2.66GHz six-core Intel Xeon Westmere: £1224 • 2x 2.93GHz six-core Intel Xeon Westmere: £2205

Optional upgrades: See Apple's online store for the huge range of optional upgrades available.

Mac Pro

£4,083

• 2 x 2.66GHz six-core Intel Xeon Westmere processors • 6GB • 1TB 7200rpm hard drive • ATI Radeon HD 5770 with 1GB dedicated memory • Up to 2560x1600 digital output; up to 2048x1536 analogue output • 802.11n wireless AirPort; Dual Gigabit Ethernet ports • 4x FireWire 800 ports; 5x USB 2.0 ports; Mini DisplayPort; Bluetooth 2.1+EDR • OS X 10.7 Lion • Processor alternatives: 2x 2.39GHz six-core Intel Westmere processors: £981

Optional upgrades: See Apple's online store for the huge range of optional upgrades available.

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Technology TV Presenter

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- ✓ Dell & Intel hardware
- ✓ No set up costs
- ✓ Full white label server control panel for your customers
- ✓ Sell servers in real time

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iPod

iPad 16GB

£399 Wi-Fi

£499 Wi-Fi + 3G

• 9.7-inch LED-widescreen, 1,024x768 pixels • 1GHz dual core Apple A5 CPU • 25Wh battery gives up to 10 hours use • 3.5mm stereo headphone jack • Built-in speaker & mic • 720p, 30fps rear-facing camera, VGA front camera • GPS (iPad Wi-Fi + 3G only) • 241.2x185.7x8.8mm • 601g (Wi-Fi), 613g (Wi-Fi + 3G) • Accelerometer, gyro, ambient light sensor

iPad 32GB

£479 Wi-Fi

£579 Wi-Fi + 3G

• 9.7-inch LED-widescreen, 1,024x768 pixels • 1GHz dual core Apple A5 Processor • 25Wh battery gives up to 10 hours use • 3.5mm stereo headphone jack • Built-in speaker & mic • 720p video, 30fps rear-facing camera, VGA front camera • GPS (iPad Wi-Fi + 3G only) • 241.2x185.7x8.8mm • 601g (Wi-Fi), 613g (Wi-Fi + 3G) • Accelerometer, three-axis gyro, ambient light sensor

iPad 64GB

£559 Wi-Fi

£659 Wi-Fi + 3G

• 9.7-inch LED-widescreen, 1,024x768 pixels • 1GHz dual core Apple A5 CPU • 25Wh battery gives up to 10 hours use • 3.5mm stereo headphone jack • Built-in speaker & microphone • 720p, 30 fps rear-facing camera, VGA front camera • GPS (iPad Wi-Fi + 3G only) • 241.2x185.7x8.8mm • 601g (Wi-Fi), 613g (Wi-Fi + 3G) • Accelerometer, three-axis gyro, ambient light sensor

Forget about hardware: the best iPhone and iPad upgrades to date came courtesy of iOS 5. It brought Siri, Apple's voice-controlled personal assistant, to iPhone 4S users, alongside iMessage and iCloud. The latter two also rolled out to iPad, iPhone 4 and 3GS, and iPod touch users.

The £499 iPhone 4S may be grabbing all the headlines, but the 4 (poor value at £429) and 3GS (£319) remain on sale for the budget-conscious shopper. Neither features the super-fast A5 processor of the 4S, nor its 8-megapixel camera (5 megapixels in the iPhone 4, 3 megapixels in the 3GS – which also drops FaceTime as it's missing the front-mounted camera).

If you're gifting an iPhone, don't forget the cost of the contract. Even at £25 a month it'll cost the recipient £450 over the first year and a half – almost as much as the phone itself. If they can't afford this, and you don't want to cover it yourself, opt for the iPod touch instead.

Steve Jobs once described the touch as training wheels for the iPhone. While that may have been true, the fact that it runs iOS 5 means it's also a serious competitor. It comes in black or white in a choice of three capacities: 8GB (£169), 32GB (£249) and 64GB (£329). There's no Siri or connection to the cellphone network, but it does have cameras front and back for FaceTime and shooting movies and photos.

> *"The iPhone 4S may be grabbing all the headlines, but the 4 and 3GS remain on sale for the budget-conscious shopper"*

An iPad costs considerably more, tipping the scales at £399 for the entry-level device – more than twice the cost of the cheapest iPod touch. The chief difference is its larger screen, but don't fixate on its size. Consider instead the fact that with the right App Store downloads it's the lightest, most portable business computer on sale today.

Of course, the iPad can be used for so much more. Buy the device as a present to everyone in the house, and watch it quickly become the go-to device for all sorts of family entertainment.

On May 19 remind me it's dad's birthday
Here's your reminder for May 19, 2012 at 9 am:
19 Saturday May 2012
Dad's birthday
Cancel
Confirm

iPhone 3GS 8GB

£319 (Pay & Go)

• Available in black • 3.5-inch widescreen • 320x480 pixels • Wi-Fi (802.11b/g) • Quad-band GSM, tri-band 3G • Assisted GPS • Bluetooth 2.0 + EDR • Photo and video geotagging • Battery lasts up to 30 hours (audio) • Battery lasts up to 10 hours (video) • Battery lasts up to 12 hours (talktime) • 115.5x62.1x12.3mm • 135g • Requires Mac OS X 10.5.8

iPhone 4 8GB

£429 (Pay & Go)

• Available in black or white • 3.5-inch widescreen • 960x640 pixels • Wi-Fi (802.11b/g/n) • Quad-band GSM, tri-band 3G • Assisted GPS • Bluetooth 2.1 + EDR • Photo and video geotagging • Battery lasts up to 40 hours (audio) • Battery lasts up to 10 hours (video) • Battery lasts up to 14 hours (talktime) • 115.5x58.6x9.3mm • 137g • Requires Mac OS X 10.5.8

iPhone 4S 16, 32 or 64GB

From £499 (Pay & Go)

• Available in black or white • 3.5-inch widescreen • 960x640 pixels • Wi-Fi (802.11b/g/n) • UMTS/HSDPA/HSUPA/ GSM/EDGE, 3G • Bluetooth 4.0 • Siri • Assisted GPS • Geotagging • Battery lasts up to 40 hours (audio), 10 hours (video), 14 hours (talktime) • 8MP camera • 115.5x58.6x9.3mm • 140g • Mac OS X 10.5.8

iPod touch 8GB

£169

• Up to 1,750 songs • Up to 10,000 photos • Up to 10 hours of video • Available in black or white • 3.5-inch screen, 960x640 pixels • Wi-Fi (802.11b/g/n, 802.11n at 2.4GHz only) • Nike+ iPod support • Battery lasts up to 40 hours (audio) seven hours (video) • Video recording at 720p HD, up to 30 frames per second • 960x720 still photos • 111x58.9x7.2mm • 101g

iPod touch 32GB

£249

• Up to 7,000 songs • Up to 25,000 photos • Up to 40 hours of video • Available in black or white • 3.5-inch screen, 960x640 pixels • Wi-Fi (802.11b/g/n, 802.11n at 2.4GHz only) • Nike + iPod support • Battery lasts up to 40 hours (audio) seven hours (video) • Video recording at 720p high-definition, up to 30 frames per second • 960x720 still photos • 111x58.9x7.2mm • 101g

iPod touch 64GB

£329

• Up to 14,000 songs • Up to 50,000 photos • Up to 80 hours of video • Available in black or white • 3.5-inch screen, 960x640 pixels • Wi-Fi (802.11b/g/n, 802.11n at 2.4GHz only) • Nike+ iPod support • Battery lasts up to 40 hours (audio) seven hours (video) • Video recording at 720p HD, up to 30 frames per second • 960x720 still photos • 111x58.9x7.2mm • 101g

»

iPod

Flexible, fast, but missing one key component: your music!

Now Playing
If I Had
Jack John
Sleep Thr
6 of 14
2:20
MENU
iPod
Music
Videos
Photos
Podcasts
Extras
Settings
Shuffle Songs
Now Playing
MENU

iPod classic

£199

The classic is all about stamina. It comes in only one huge capacity – 160GB (around 40,000 tracks) – and two colours, black or silver. It's perfect for anyone who wants to carry around their whole music library and, thanks to its enormous battery, it can keep on playing for a day and a half before running dry. At 140g, it's by far the heaviest iPod, weighing more than six nanos. And it's controlled using an old-school scroll wheel, rather than a multi-touch display. It's starting to look dated, but it's a reliable workhorse for those to whom track choice and playback time are paramount.

iPod classic 160GB

£197

• Up to 40,000 songs • Up to 25,000 photos • Up to 200 hours of video • Available in black and silver • 2.5-inch screen • 320x240 pixels • Battery lasts up to 36 hours (audio) • Battery lasts up to 6 hours (video) • 103.5x61.8x10.5mm • 140g

iPod nano

8GB: £115 16GB: £129

The smallest iPod with a multi-touch display, the nano ships in 8GB (2,000 track) and 16GB (4,000 track) capacities in a choice of seven colours, including a charity-supporting (PRODUCT) Red edition. As well as music, audiobook and podcast playback, it has a built-in FM radio and a pedometer with Nike+ support. At 4cm² it has room for a larger battery than the shuffle and manages an impressive 24 hours playback on a single charge. Slip your nano into a wristband (http://amzn.to/vlCmOV) and it's instantly transformed into a cool watch.

iPod nano 8GB

£115

• Up to 2,000 songs • Up to 7,000 photos • Includes Nike+ iPod support • Available in silver, black, blue, green, yellow, pink and red (Apple Store exclusive) • 1.54-inch diagonal multi-touch screen • 240x240 pixel resolution (220 pixels per inch) • Battery lasts up to 24 hours • Includes VoiceOver technology and an FM radio • 37.5x40.9x 8.78mm • 21.1g

iPod nano 16GB

£129

• Up to 4,000 songs • Up to 14,000 photos • Includes Nike+ iPod support • Available in silver, black, blue, green, yellow, pink and red (Apple Store exclusive) • 1.54-inch diagonal multi-touch screen • 240x240 pixel resolution (220 pixels per inch) • Battery lasts up to 24 hours • Includes VoiceOver technology and an FM radio • 37.5x40.9x 8.78mm • 21.1g

iPod shuffle 2GB

£40

• Up to 500 songs • Available in five colours; silver, blue, green, yellow, pink • No screen, but the control pad returns • VoiceOver enables your iPod to talk to you • 3.5-mm stereo headphone jack is used for both audio out and USB charging • Battery lasts up to 15 hours • 29x31.6x8.7mm • 12.5g

iPod shuffle

£40

Barely any bigger than a postage stamp, the shuffle is the smallest, cheapest, and simplest of the iPods. It looks great, with five different colours to choose from, and controls so basic it's easy to use without even taking it out of your pocket. The free-to-download VoiceOver Kit enables it to speak the names of your tracks in 29 different languages, so you won't even mourn the missing screen. Its 2GB capacity is enough for around 500 tracks, which it will play non-stop for 15 hours on a single charge of the battery.

iPod & iPad extras

Supplement your new gear with these fine accessories

Mophie JuicePack Plus

Price £27 mophie.com
Works with iPhone 4/4S

Pop your iPhone 4/4S into one of these battery cases and you'll almost double the length of time you can use it for, thanks to the 2000mAh battery. The case helps protect your phone from bumps and scrapes as well, though it also adds some bulk.

ZAGGfolio for iPad 2

Price £80 www.zagg.com
Works with iPad 2

Okay, so this isn't exactly cheap, but it is our favourite keyboard and protective case combo for the iPad 2. A lovely detachable keyboard slots into a thin protective cover and stand – great for pulling out in a coffee shop, for example.

Wacom Bamboo Stylus

Price £25 www.wacom.eu
Works with Everything

Whether it's to write, paint or sketch on your iPad, iPhone or iPod touch, there are times when you need more precision than your finger can offer. And Wacom's 6mm tip is as small and precise as you can get with the screen on your device. It's beautifully weighted to feel like a pencil in your hand. And while it's costly for a stylus, it's the best there is.

B&W Zeppelin Air

Price £499 bowers-wilkins.co.uk
Works with iPhone, iPod touch, iPad (AirPlay) Aux in: Yes

This king of iPod docks may have a royal price tag to match its stature, but it really is worth every penny. It looks great, sounds awesome and – thanks to AirPlay – works wirelessly with your iPhone, iPod touch and iPad too. Your ears will thank you forever for getting one of these. ●

Etymotic hf3

Price £100 www.etymotic.com
Works with Everything

The super-clean, balanced and neutral sound from these in-ear buds may not be to everyone's taste, but if you like your music as uncoloured as possible, these are stunning. Finding the right fit among the three different bud designs took us a little time. But once we had it, the hf3s really excelled, and were extremely comfortable to boot. We love them.

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"iCloud keeps your vital data in sync between multiple devices"

SET UP iCLOUD ON YOUR MAC P66

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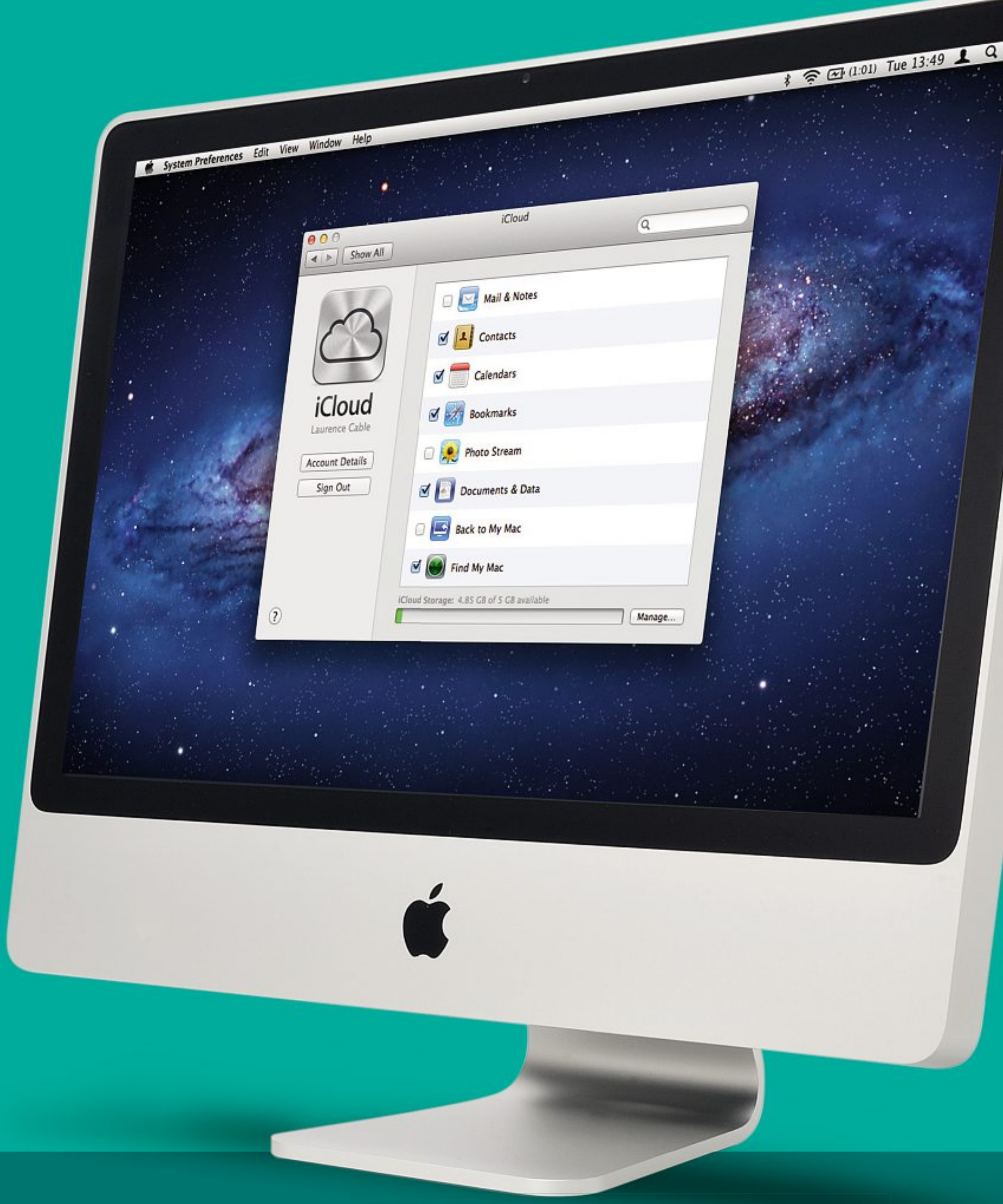


☐ Mail & Notes
☑ Contacts
☑ Calendars
☑ Bookmarks
☐ Photo Stream
☑ Documents & Data
☐ Back to My Mac
☑ Find My Mac

iCloud Storage: 4.85 GB of 5 GB available

How to...

● PHOTOS ● MOVIES ● MUSIC ● OFFICE ● SYSTEM

Matthew Bolton
Contributor

Apple's new cloud-based storage service, iCloud, finally parachutes into the Apple ecosystem. The service does indeed 'just work' when it comes to seamlessly storing and syncing your data wirelessly. However, there are a number of setup options at your disposal that enable you to configure the service to your personal needs.

So this issue, we'll be looking at what you need to know and where you need to go to begin iCloud customisation. Learn how to get started by turning to page 66, where Laurence Cable lays down the basics for setting it up on your Mac - and even shows how to find a lost one using iCloud. And over on page 58, Ben Harvell describes how to go about harnessing the service to edit your documents anywhere.

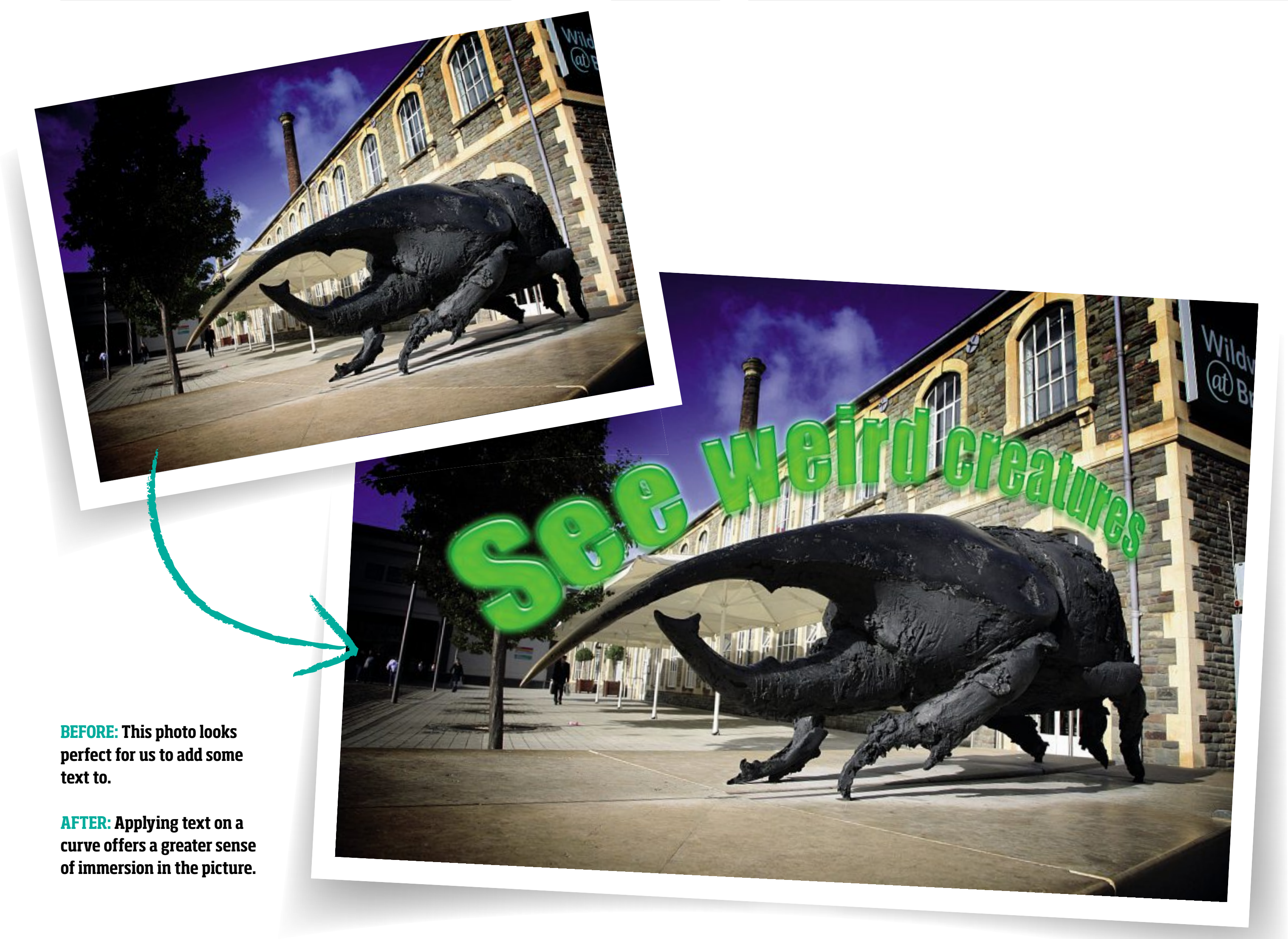
With extra functionality often comes added complexity, and unfortunately the entrance of iCloud has further muddled the management of Apple IDs. So follow Rob Mead-Green over on page 70 as he carves a path through the confusion.

Like to see a subject covered in our tutorial section? Then drop us an email at **macformat@futurenet.com**.

Mail
Contacts
Wednesday
16
Calendar
Find My iPhone
Work

»DID YOU KNOW?

When it comes to checking your iCloud mail in *Safari*, there's a way to skip a step. Add **www.icloud.com#mail** to the **Bookmarks Bar** to go to your inbox in one click.



BEFORE: This photo looks perfect for us to add some text to.

AFTER: Applying text on a curve offers a greater sense of immersion in the picture.

Create text on a path

Elements 10 lets you do more with your text than ever before

>> KEY INFO

DIFFICULTY
Expert

TIME NEEDED
20 minutes

WHAT YOU'LL NEED
Adobe Photoshop Elements 10

Elements 10 introduces the ability to run text along a curve. There are three ways of doing this, and the first is to run text around a selection. This is done with the Text on Selection tool, but selections made using it are rarely smooth. Any slight irregularity in the outline will cause individual characters to be drawn at different angles to those around them. This tool might work on very simple outlines, but for most everyday subjects it's too unpredictable.

The Text on Shape tool works better. Here, you choose one of a handful of basic shapes from a drop-down menu on the options bar, drag out the shape to the size you want and click and type along its edge.

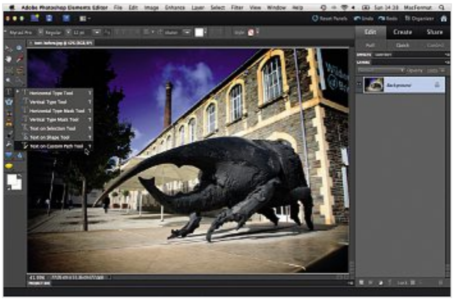
It's the restricted choice of shapes that's the problem here, and it's the third new tool, Text on Custom Path, which appears to offer the most scope, though even this too can need a little work. Your paths do have control points, but they're generated automatically by *Elements* as you draw, and they're not of the bezier type seen in *Photoshop*. You can drag the control points to reposition them, but without any bezier-style handles, it's not always easy to control the outcome. You'll often need to simplify the curve shape to avoid irregular character alignment. You can do this by ⌥-clicking on control points that are clustered together, to thin them out and smooth the curve. You can also ⇧-click on segments of the path to add new control points.

> *"Elements 10 introduces the ability to run text along a curve. There are three ways to do this..."*

It's not always easy to get the text path exactly how you want it, but with a little practice you can get pretty close. And once you've succeeded, your text is added on a new layer. You can then rotate, skew and transform, and blend the text with your image in all manner of different ways.

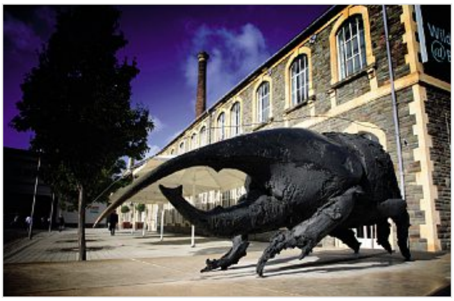
Rod Lawton

HOW TO / Create paths and add text



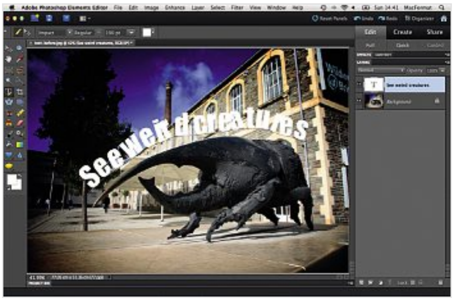
01 The new Type tools

If you open the **Type** tool flyout, you'll see the three new options at the bottom of the menu: **Text on Selection**, **Text on Shape** and **Text on Custom Path** tools. We'll use the latter option for this walkthrough, since it offers most control over the text direction and shape.



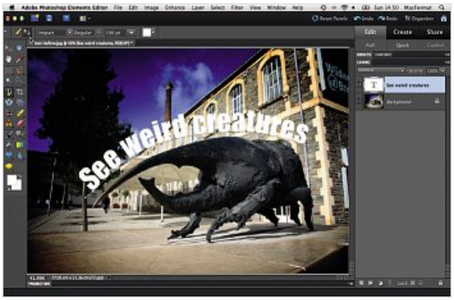
02 Draw the text path

Draw the text path freehand, just as if you were using the **Freehand Lasso** tool. It's not like the bezier path tools in *Photoshop*, though you can adjust the path subsequently, as shown in the next couple of steps. Click the green 'tick' on the options bar to confirm it.


See weird creatures

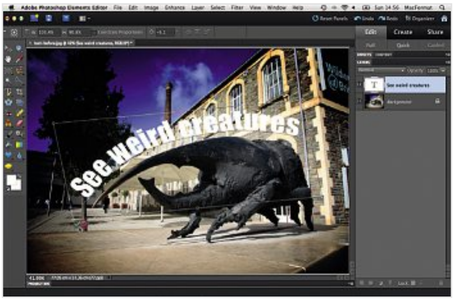
03 Type the text

Now position the cursor at the point of the path where you want the text to begin, then click to place the insertion point and start typing. The text will now follow the path you created, but it's probably uneven – it's hard to create a smooth path at your first attempt.


See weird creatures

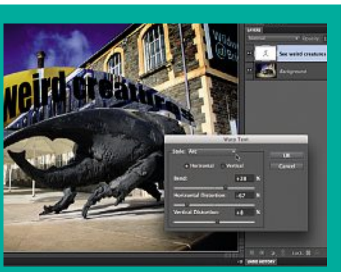
04 Edit the path

To edit a text path, click the **Refine Path** button at the left of the options bar. *Elements* creates control points as you create the path and you can drag these to move them, ⌥-click to delete them or ⇧-click to add new ones. Expect a certain amount of trial and error.


See weird creatures

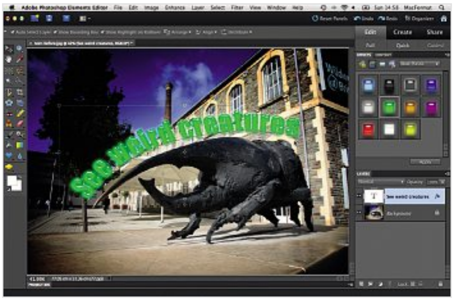
05 Transform the text

The text is set on a new layer – you can use the **Transform** controls to adjust the shape. If you ⌘-drag on the corner handles, it adjusts the skew of the text, or move the mouse pointer outside of a control handle and drag to rotate the text. Click the green 'tick' to confirm.


Weird creatures

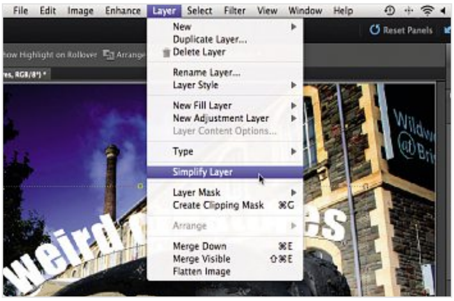
QUICK TIP

Maybe you don't need the new text-on-a-path tools in *Elements 10*? It may be easier to create a regular horizontal text block and then apply the text warping command. You can apply a warp shape and a perspective effect at the same time.


See weird creatures

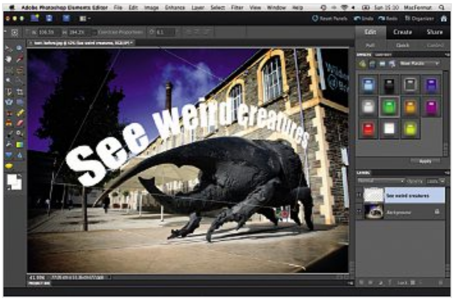
06 Add layer styles

You can also add layer styles from the **Effects** palette. This is a green plastic effect supplied with a *Wow! Photoshop* book, but *Elements* has many other styles of its own. (adjust layer styles via the **Layers** menu, just not with quite the same control as *Photoshop*.)


File
Edit
Image
Enhance
Layer
Select
Filter
View
Window
Help
Reset Panels
New
Duplicate Layer...
Delete Layer
Rename Layer...
Layer Style
New Fill Layer
New Adjustment Layer
Layer Content Options...
Type
Simplify Layer
Layer Mask
Create Clipping Mask ⌘G
Arrange
Merge Down ⌘E
Merge Visible ⇧⌘E
Flatten Image
Weird

07 Simplify text layers

The transformation tools in *Elements* can change the shape of the text, but can't add more subtle perspective effects. For this, you'll need to **Simplify** the text layer via the **Layers** palette. (You're converting the vector-based text layer into a regular bitmap image layer).


See weird creatures

08 Perspective effects

Converting text to a bitmap layer is not ideal – it means the text is no longer editable and can't be scaled up smoothly. But it does enable you to apply proper perspective effects: hold down the ⌘ key and drag the layer's corner handles for a receding effect. ●

Get the perfect crop

Find out how to use iPhoto's crop tool to set your picture's aspect ratio

KEY INFO

DIFFICULTY
Beginner

TIME NEEDED
5 minutes

WHAT YOU'LL NEED
Any version of iPhoto

You don't just crop photos to make the composition better, you also do it to make them fit the proportions of the paper or the screen they're going to be displayed on. With the **Crop** tool in *iPhoto*, you can do both at the same time, and it's pretty straightforward once you understand the idea of 'constrained' crops and aspect ratios.

The aspect ratio is the width of the picture compared to its height. It doesn't matter what these units are, whether they're pixels or millimetres, since it's the ratio of width to height that's important.

Every display, paper size and even camera sensor has a specific aspect ratio, and they're worked out on a lowest common denominator basis. For example, 6x4-inch photo paper has an aspect ratio of 6:4 but, since both sides can be divided by 2, the aspect ratio can be simplified to 3:2.

This happens to be the same aspect ratio as the sensors in digital SLRs and most compact system cameras. You can take pictures from these cameras and print them directly on 6x4-inch photo paper without losing any of the picture area at the top, bottom or sides.

Compact cameras and those that use Micro Four Thirds sensors, however, have an aspect ratio of 4:3. The pictures aren't quite as wide. If you print these on 6x4-inch photo paper so that they fill the width of the sheet, parts of the picture at the top and bottom will be cropped off.

> *"You don't just crop photos to make them look better. You also do it to make them fit the paper or screen"*

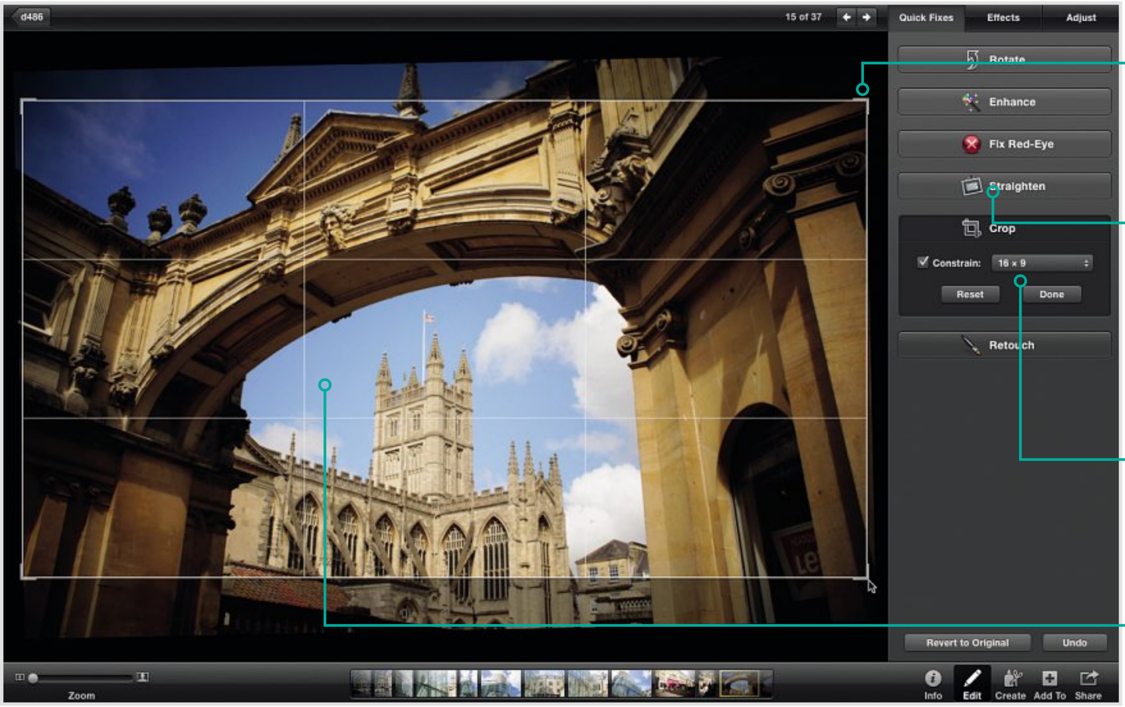
This happens all the time when you output photos to different devices. A MacBook display, for example, has an aspect ratio of 16:10, while older monitors are more likely to have a ratio of 4:3. Photo papers are even more diverse. A4 paper has an aspect ratio of roughly 10:7, while old-fashioned print sizes are much 'squarer', such as the popular 10x8-inch and 20x16-inch sizes, which both have a ratio of 5:4.

You can keep pictures at their default aspect ratios and let the computer or the printer decide what parts to crop off, or you can use the **Crop** tool in *iPhoto* to do it yourself.

This is a much better solution. It enables you to straighten and 'recompose' the shot at the same time. without changing proportions. It's the best way to prepare your photos for different devices.

Rod Lawton

QUICK LOOK / iPhoto's crop tools



☑ Constrain: 16 x 9

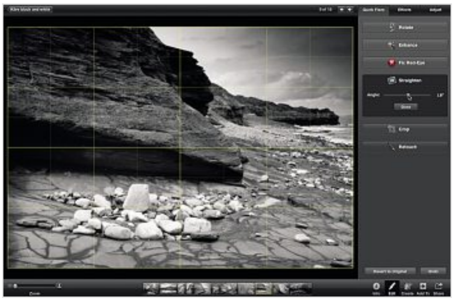
Resize the crop
Drag corner handles to resize the crop marquee. When constrained, the proportions remain.

Straighten tool
If the image needs straightening, do it before you crop.

Crop presets
There's a list of crop presets to fit specific screen and print sizes.

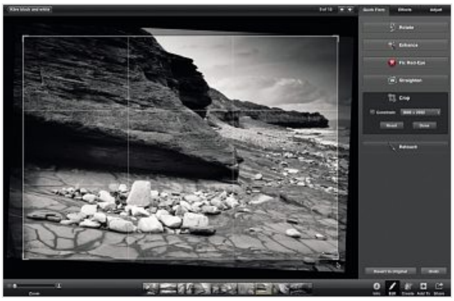
Move the crop
Drag the centre of the crop marquee to move it into a new position.

HOW TO / Crop and export photos



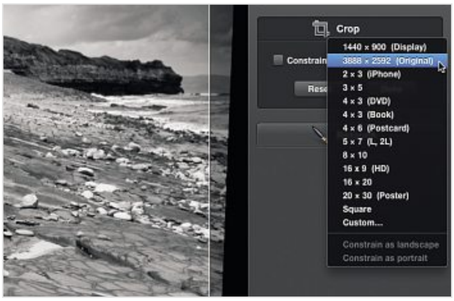
01 Straighten first!

If your photo needs straightening, now's the time to do it. When you straighten a photo you lose small wedges along the top, bottom and sides. If you leave this until later, your work with the **Crop** tool will count for little because the **Straighten** tool will take off even more.



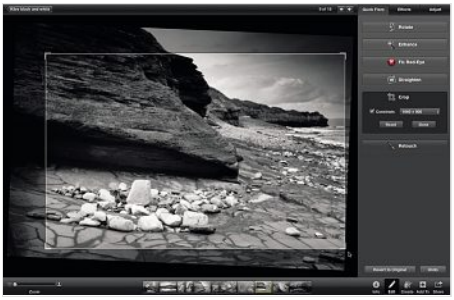
02 Crop tool defaults

Now switch to the **Crop** tool. You'll notice the crop marquee won't extend beyond the edges of the picture – another reason to straighten up first. Drag the corner handles to make the crop marquee any size you like; you can drag the centre to change its position.


Crop
Constrain
Reset
1440 x 900 (Display)
3888 x 2592 (Original)
2 x 3 (iPhone)
3 x 5
4 x 3 (DVD)
4 x 3 (Book)
4 x 6 (Postcard)
5 x 7 (L, 2L)
8 x 10
16 x 9 (HD)
16 x 20
20 x 30 (Poster)
Square
Custom...
Constrain as landscape
Constrain as portrait

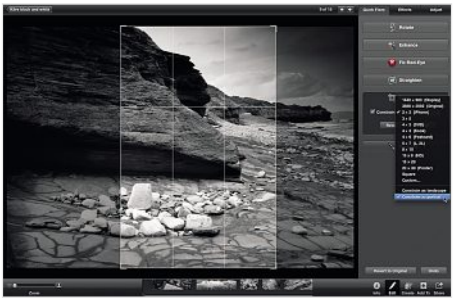
03 Crop presets

Take a look at the **Crop** options in the tools panel. The pop-up menu will display the image dimensions in pixels. Don't confuse this with a resizing option – it's displaying the ratio of the width to the height. The rest of the menu options deal solely in aspect ratios too.



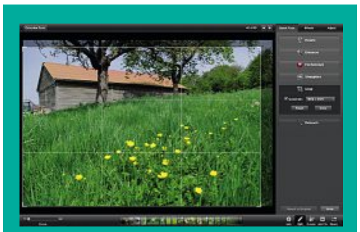
04 MacBook display

Let's say you want to produce an image to fit your Mac's display. This is listed on the presets menu in terms of its pixel dimensions, 1440x900. Choose it and the **Constrain** box is checked. When you drag on the crop marquee's corner handles, it retains this aspect ratio.



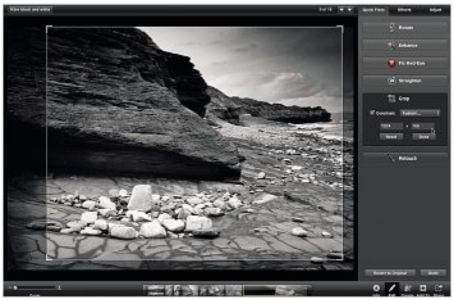
05 Crop orientation

There's a list of presets for different print and screen sizes on this menu, but check out the two options at the bottom – you can force the crop to be either vertical or horizontal. You lose quite a lot of the image, but it's useful for portrait-format images for, say, an iPhone.



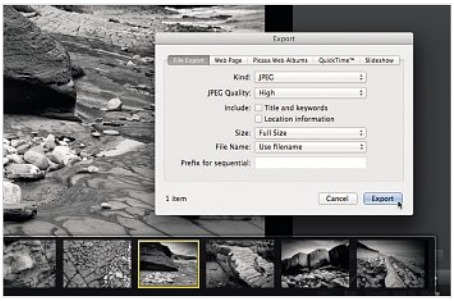
QUICK TIP

As you drag the crop marquee or its corner handles you'll see a grid overlaid on the image. This splits the image up into 'thirds', which helps you compose the shot according to the 'Rule of Thirds'. Place your principal subject on these lines, or their intersections, for more pleasing off-centre compositions.



06 Custom sizes

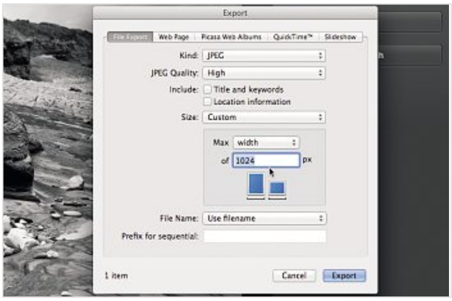
You'll see that you can also specify custom crop proportions. These can be either in inches or centimetres or, if you're producing an image for on-screen display, in pixels. Here, we're cropping the image to fit a 1024x768 display. You can enter these values directly.


Export
File Export
Web Page
Picasa Web Albums
QuickTime™
Slideshow
Cancel
Export

Kind: JPEG
JPEG Quality: High
Include: ☐ Title and keywords
☐ Location information
Size: Full Size
File Name: Use filename
Prefix for sequential:
1 item

07 Export cropped photos

Once you've cropped your photo you can print it directly from *iPhoto* or export it as a file using the ⇧+⌘+E shortcut. Remember that *iPhoto* isn't resampling the image to those pixel dimensions from the previous step, but using them to fix the aspect ratio for the **Crop** tool.

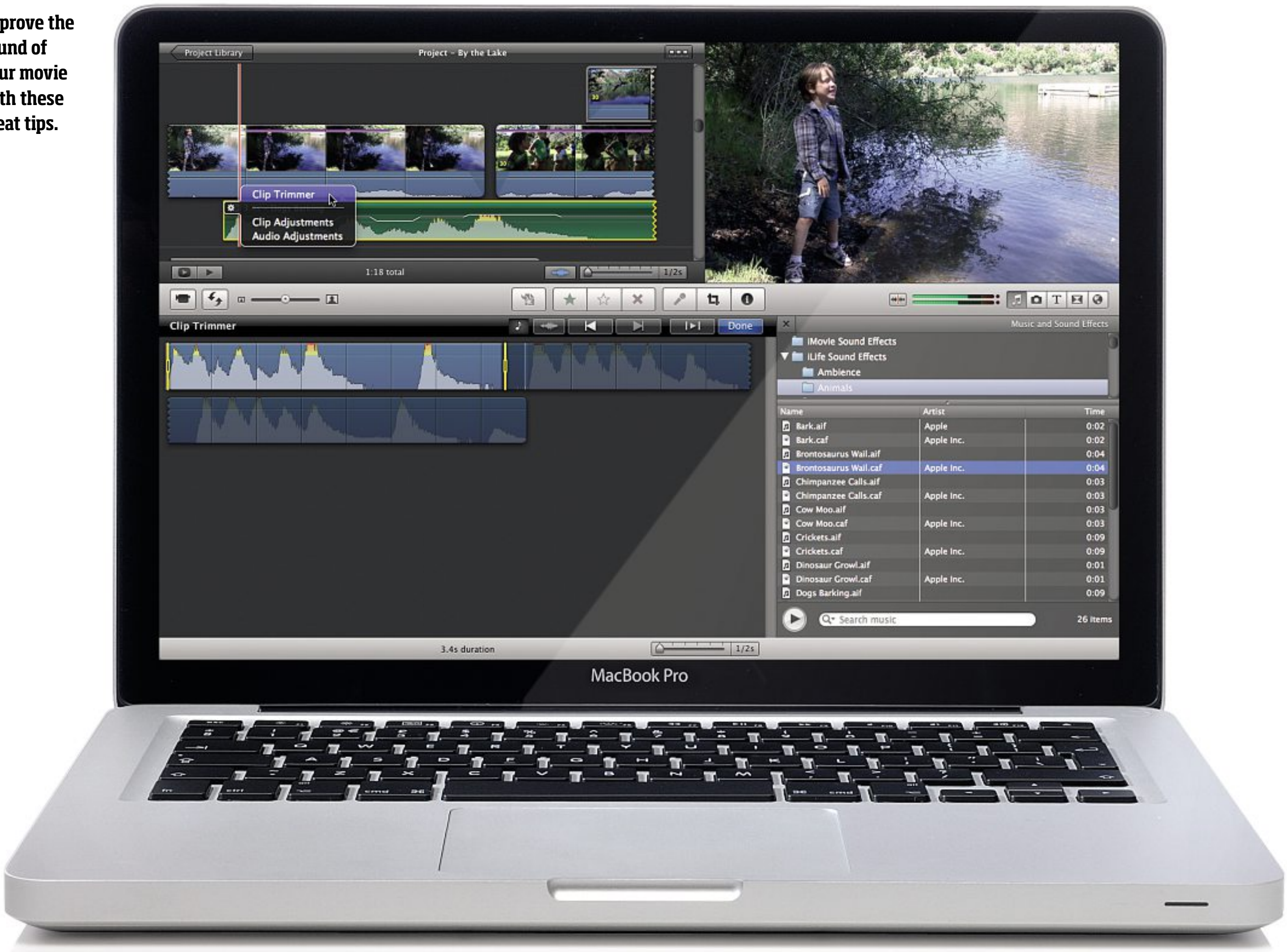

Export
File Export
Web Page
Picasa Web Albums
QuickTime™
Slideshow
Cancel
Export

Kind: JPEG
JPEG Quality: High
Include: ☐ Title and keywords
☐ Location information
Size: Custom
Max width
of 1024 px
File Name: Use filename
Prefix for sequential:
1 item

08 Cropping and resizing

If you do want to resize photos on export, there is a way to do it. The **Export** dialog has a **Size** pop-up with preset sizes, but also a **Custom** option. Use this to specify the maximum size of the picture or its width or height individually. Then click **Export**. ●

Improve the sound of your movie with these great tips.



Name	Artist	Time
Bark.aif	Apple	0:02
Bark.caf	Apple Inc.	0:02
Brontosaurus Wail.aif		0:04
Brontosaurus Wail.caf	Apple Inc.	0:04
Chimpanzee Calls.aif		0:03
Chimpanzee Calls.caf	Apple Inc.	0:03
Cow Moo.aif		0:03
Cow Moo.caf	Apple Inc.	0:03
Crickets.aif		0:09
Crickets.caf	Apple Inc.	0:09
Dinosaur Growl.aif		0:01
Dinosaur Growl.caf	Apple Inc.	0:01
Dogs Barking.aif		0:09

Manipulate audio effects

Adding music is one thing, but improving the sound of your film is another

>> KEY INFO

DIFFICULTY
Beginner

TIME NEEDED
30 minutes

WHAT YOU'LL NEED
iMovie '11 version 9.0.4 or later, clips in Events and a project in progress, a basic understanding of the interface

When you start making a movie, you may realise fairly quickly that it isn't as easy as it might look. Shooting a scene outside could lead to unwanted sounds creeping in. If you're working indoors, or even using a green screen to place characters in a different location, the lack of ambient noise may well make the scene much less believable.

Sound is an incredibly important part of the film and more often than not will determine whether your audience believes what it sees.

Altering the audio is as old as talkies. Back in the 20s when Hollywood moved out of the silent era with the release of *The Jazz Singer*, Jack Foley began working in Universal Studio's sound department. There he perfected a system of recording in real time all the little everyday sounds you never think about (the creaking of a door, footfalls and so on), but which make a scene 'real'. So successful was it, the profession was named after him.

Nowadays, we don't need to record anything in real time: we have a vast collection of pre-recorded sounds that we can add with absolute precision to a film project. And just like any decent video editing program, *iMovie* lets you do exactly that, as we'll show you over these two pages.

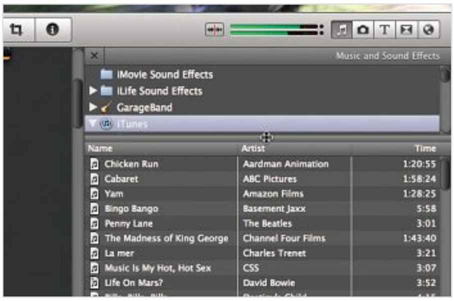
> *"Sound is an important part of any film and can often determine whether an audience believes what it sees"*

But adding effects isn't the whole story: you need to be able to blend them into the original soundtrack. You can achieve this by altering the volume of each track so that they sound as if they were recorded at the same time. You can even alter the volume of specific parts of a track to improve the blend further.

If you have the time, you should also record the ambient sound of the location you're shooting (with no one talking) so you can add parts of that audio over joins to hide the cuts.

Steve Paris

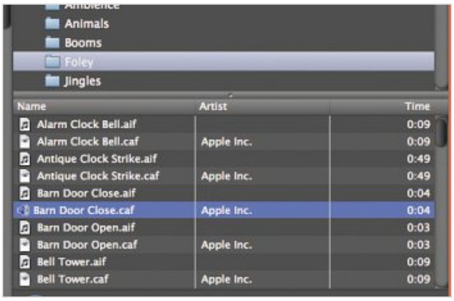
HOW TO / Improve the sound of your iMovie project


Music and Sound Effects
iMovie Sound Effects
iLife Sound Effects
GarageBand
iTunes

Name	Artist	Time
Chicken Run	Aardman Animation	1:20:55
Cabaret	ABC Pictures	1:58:24
Yam	Amazon Films	1:28:25
Bingo Bango	Basement Jaxx	5:58
Penny Lane	The Beatles	3:01
The Madness of King George	Channel Four Films	1:43:40
La mer	Charles Trenet	3:21
Music Is My Hot, Hot Sex	CSS	3:07
Life On Mars?	David Bowie	3:52

01 Sound effects

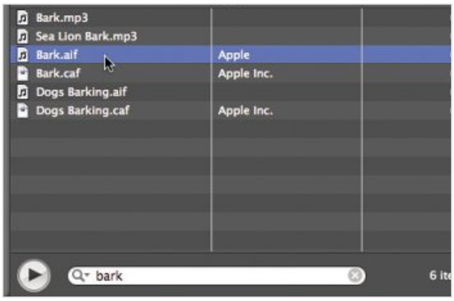
To find *iMovie*'s bundled audio tracks, click the music button, to the right of the toolbar, and go to Window > Music and Sound Effects. By default, your *iTunes* library is preselected. Drag the bar between the menu and the list to reveal additional options.


Animals
Booms
Foley
Jingles

Name	Artist	Time
Alarm Clock Bell.aif		0:09
Alarm Clock Bell.caf	Apple Inc.	0:09
Antique Clock Strike.aif		0:49
Antique Clock Strike.caf	Apple Inc.	0:49
Barn Door Close.aif		0:04
Barn Door Close.caf	Apple Inc.	0:04
Barn Door Open.aif		0:03
Barn Door Open.caf	Apple Inc.	0:03
Bell Tower.aif		0:09
Bell Tower.caf	Apple Inc.	0:09

02 Preview sounds

Click **iMovie Sound Effects** to see all tracks alphabetically below. Click the **iLife Sound Effects** folder's disclosure triangle. These tracks are organised by category. Click on any to find what you want. Select one then click on the **Play** button to preview it.

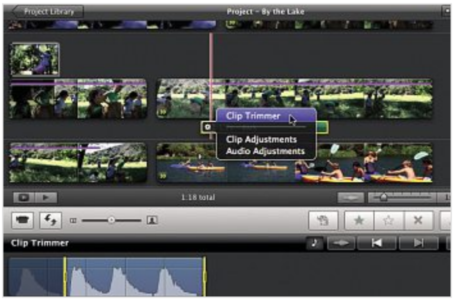


Bark.mp3	
Sea Lion Bark.mp3	
Bark.aif	Apple
Bark.caf	Apple Inc.
Dogs Barking.aif	
Dogs Barking.caf	Apple Inc.

bark

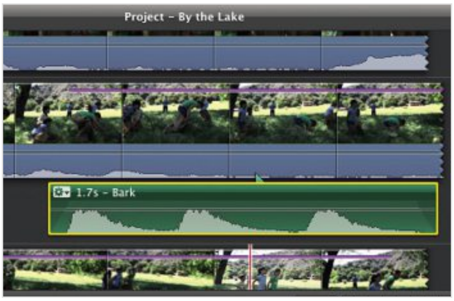
03 Search for audio

To the right of the **Play** button is a search field that you can use to look for something in particular. If you want to search both the *iLife* and *iMovie* libraries at the same time, select one and ⇧-click on the other to highlight them both prior to doing your search.


Project Library
Project – By the Lake
Clip Trimmer
Clip Adjustments
Audio Adjustments
1:18 total
Clip Trimmer

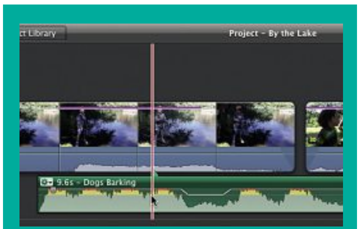
04 Add a track

Choose a sound and drag it onto your project. It will appear as a green banner beneath the video clip. You can drag the audio anywhere in your project. To trim it, click on its cog wheel button and choose **Clip Trimmer** to edit it with precision, bottom-left of the interface.


Project – By the Lake
1.7s – Bark

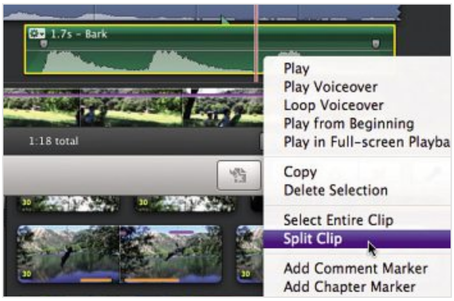
05 Sound waves

You could also trim it straight from the project itself, but to make this easier, you must reveal the audio waveforms. To do this, click the **Show or hide audio waveforms** button, lower right of the project section. Drag the thumbnail slider to the left to give you a big canvas.


ct Library
Project – By the Lake
9.6s – Dogs Barking

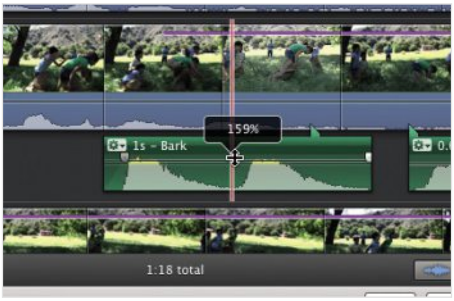
QUICK TIP

The waveforms are incredibly useful to show you if part of your audio is peaking (i.e., it's so loud it got distorted by your recording equipment). Any problem area shows up in red. A yellow section is borderline. You can use the method described above to reduce the volume in those areas.


1.7s – Bark
1:18 total
Play
Play Voiceover
Loop Voiceover
Play from Beginning
Play in Full-screen Playba
Copy
Delete Selection
Select Entire Clip
Split Clip
Add Comment Marker
Add Chapter Marker

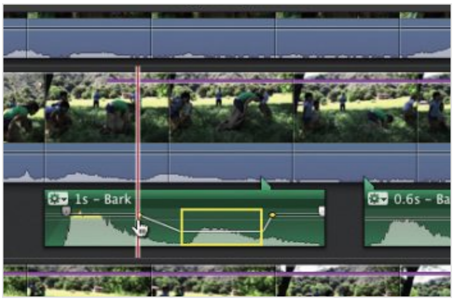
06 Split clips

Move the cursor to one of the track's edges to turn it into a resize tool. Drag inwards to trim your sound, in a manner similar to the **Clip Trimmer**. If you need to cut the clip in two, move the playhead over the desired section, ctrl-click your audio track and choose **Split Clip**.


159%
1s – Bark
1:18 total

07 General audio level

Every audio track has a line going across it. This is its audio level. Move the cursor over it to turn it into an 'up/down' resize tool. Drag the line up to increase the track's volume. Drag it down, to lower it. This affects the entire track; what if you only need to change a section of it?


1s – Bark
0.6s – Ba

08 Specific alterations

Make sure the track isn't selected. Drag within the audio to highlight a portion. Now, dragging the volume line only affects the selected part. Diagonal lines on either side show the volume changing gradually. You can alter this by dragging the yellow dots on the line. ●

Change the way an effect behaves over time in your video timeline.

Adobe Premiere Elements 10 File Edit Clip Timeline Disc Title Window Help
Save
Undo
Redo
Organizer
Full Screen
Project
Edit
Disc Menus
Share
Effects
Transitions
Titles
Themes
Clip Art
Old Film
Auto Levels
Auto Contrast
Video Effects
Show All
NewBlue Film Look
Old Film
Perspective
Edit Effects
Apply
IMG_1093.MOV
00:00:18:18
Timeline
Sceneline
Video
Narration
Soundtrack
Loaded /Users/steveparis/Movies/iMovie Events/Garden/IMG_1075.MOV (All media loaded)
MacBook Pro

Master Premiere Elements 10

Add as many effects as you want to a clip and change their values over time

>> KEY INFO

DIFFICULTY
Beginner

TIME NEEDED
25 minutes

WHAT YOU'LL NEED
Adobe Premiere Elements 10, a project in progress, a basic understanding of the interface

Editing is hard work, but it's a lot of fun and can be extremely rewarding when your target audience loves and appreciates your endeavour. Adobe's *Premiere Elements* offers you many advanced tools to fully customise the look of your finished product. We'll be looking at how to use and manipulate the bundled effects over the next two pages.

You may feel that you won't be needing any effects, that you just want to show what you shot, exactly as it was on the day. But just like photos, you will find that a tweak here and there will greatly improve the end results: perhaps the white balance wasn't quite right, or heavy clouds filtered too much of the sun to give you good colours. Whatever the reason, adding some effects to your clips can balance the contrast and colours and just make your film much more pleasurable to watch.

You can of course use effects to create completely different looks: add an 'Old Film' filter for a flashback sequence, to make it clear that what you're now seeing took place in the past, or make the clip undulate to begin a dream sequence.

> *"Premiere Elements offers you many advanced tools to fully customise the look of your film"*

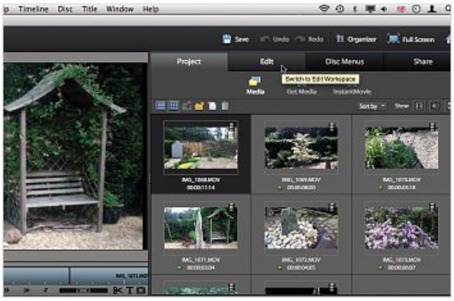
Premiere Elements doesn't limit you to a single effect per clip like *iMovie* does: you can apply as many as you like. We'll show you how to do this, temporarily disable some, delete others and even reorder them.

But even better, you can change the parameters of each effect over time. So you can, for example, gradually turn a clip from colour to black and white with a few clicks of the mouse, or increase the saturation for one part of your clip, but not the other. This is all done with keyframes and is a lot simpler to achieve than you might think.

All you need is a project with a few clips inserted. Then you're ready to explore *Premiere Elements'* effects.

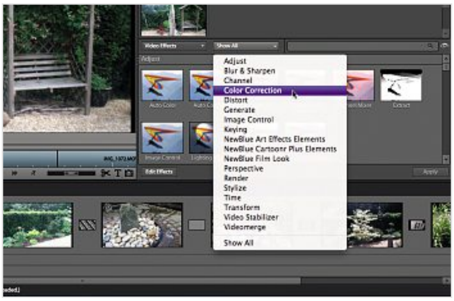
Steve Paris

HOW TO / Alter video effects over time



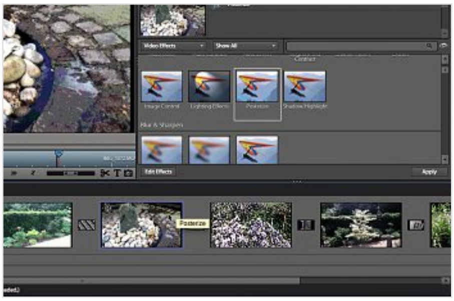
01 Find effects

Open an existing project or create a new one and add a handful of clips to the timeline. *Premiere Elements'* effects, along with its transitions, titles, themes and clip art can all be found by clicking on the **Edit** tab, top-right. Do so, then click the **Effects** icon.


Adjust
Blur & Sharpen
Channel
Color Correction
Distort
Generate
Image Control
Keying
NewBlue Art Effects Elements
NewBlue Cartoonr Plus Elements
NewBlue Film Look
Perspective
Render
Stylize
Time
Transform
Video Stabilizer
Videomerge
Show All

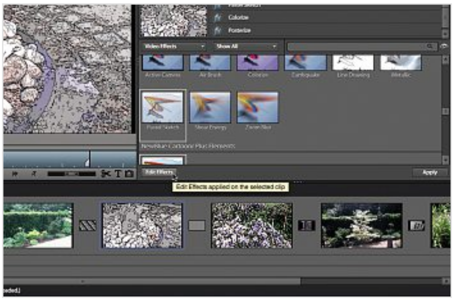
02 Select an effect

All video effects are organised by type (**Adjust**, **Blur & Sharpen**, **Colour Correction**, and so on) and a generic thumbnail shows what the effect will achieve. Next to the **Video Effects** pop-up menu is one labelled **Show All**. Click it to narrow down your search by type.



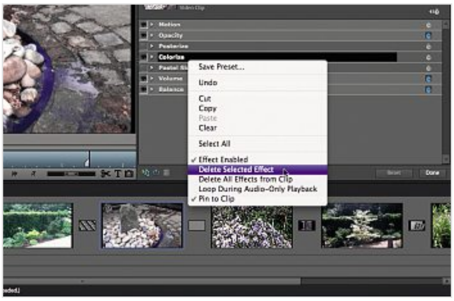
03 Add effects

Once you've found the effect you'd like to use, drag its thumbnail onto the desired clip in the timeline to apply it instantly. You'll notice that a larger thumbnail version of that clip will appear above the list of effects, with the effect's name listed on the right. Add additional effects.



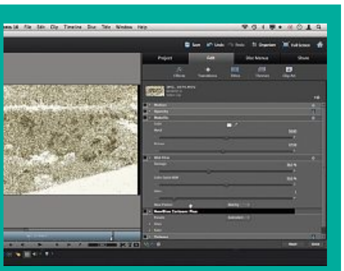
04 Edit effects

They appear next to the larger thumbnail in the order in which they were dragged onto the clip in the timeline (the large section at the bottom of the interface). But how do you modify them? Bottom-left of the **Edit** section is a button called **Edit Effects**. Click it.


Save Preset...
Undo
Cut
Copy
Paste
Clear
Select All
✓ Effect Enabled
Delete Selected Effect
Delete All Effects from Clip
Loop During Audio-Only Playback
✓ Pin to Clip

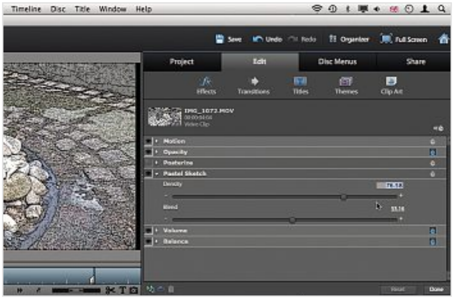
05 Hide and delete effects

You now see the added effects in a larger list. To the left of each effect is an eye icon. Click it to disable the effect (click it again to re-apply it). To delete the effect permanently, select it and hit the ⌦ key. Click on an effect's disclosure triangle to reveal its parameters.



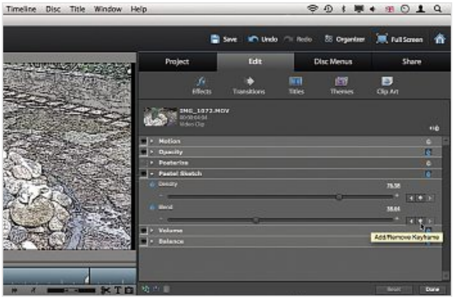
QUICK TIP

The app applies effects to a clip in a specific order: from top to bottom. Sometimes that order can change the way the clip looks. To reorder your effects, go into the **Edit Effects** section. Select an effect, drag it up or down and witness the result.



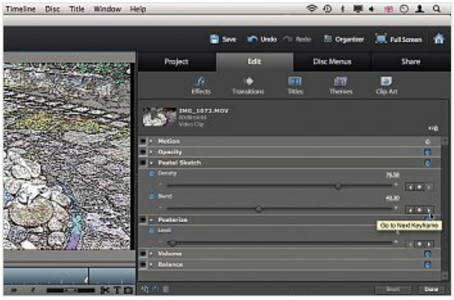
06 Effect parameters

Each parameter will appear either as a pop-up menu, slider or number. Select a new option from the menu, drag the slider or click the number to make changes and alter the way the effect looks. The change is instantaneous. You can alter any value of an effect over time.



07 Timing effects

To do this, move the playhead (bottom of the preview section, top-left of the interface) to where you'd like the change to start. Next, click the clock icon, far-right of the effect name in the **Edit** list. This reveals new buttons. Click the diamond shape to set your first keyframe.



08 Keyframing effects

Move the playhead to another location and alter the parameter linked to the diamond button. You've set a change to occur between both keyframes. Jump to the previous and next keyframes with the buttons either side of the diamond. Animate as many as you need. ●

System Preferences Edit View Window Help
Fri 13:01
iCloud
Show All
iCloud
iCloud stores your content and wirelessly pushes it to your devices.
Learn more about iCloud...
Monday
6
Set up iCloud with your Apple ID:
Apple ID
Password
Sign In
Create an Apple ID...
Forgot password?
MacBook Air

Set up iCloud to sync iWork files between all of your devices.

Use iCloud with iWork

Harness Apple's cloud storage service to edit your documents anywhere

>> KEY INFO

DIFFICULTY
Beginner

TIME NEEDED
10 minutes

WHAT YOU'LL NEED
OS X 10.7.2, internet connection

Apple's iCloud and, more specifically, its **Documents in the Cloud** feature, promised to make creating and working on *iWork* projects easier than ever. It touted access to the documents on all of your devices without the need for a complex setup process.

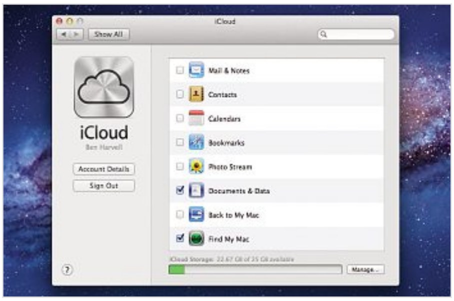
In reality, the service is almost too subtle and could leave you worrying that your documents haven't been shared at all. The easiest route to obtaining peace of mind is to check for yourself, as well as make sure that you have iCloud document sharing turned on. Before doing any of this, however, you will need to create your own iCloud account if you haven't already. This can be done by heading to **www.icloud.com**. Or if you're a MobileMe subscriber, a quick software update should transition your account to iCloud very quickly.

You'll also need to update all of the iOS devices you want to use with iCloud to the latest iOS software version, iOS 5. Once your devices are ready to work with iCloud, simply sign in to the service with all of them and you're ready to go. Once you're set up correctly, the magic of iCloud begins. All of the *iWork* documents on your iOS devices will be synced so you can edit them at any time on your iPad, iPhone or iPod touch. You'll also be able to upload *iWork* documents you create on your Mac and send them to iCloud. This way you can continue to work on them wherever you happen to be.

> *"The iCloud service is so subtle it could leave you worrying your documents haven't been shared at all!"*

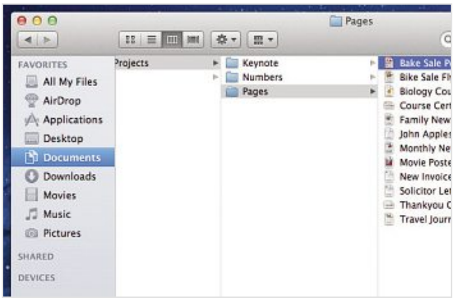
As you'll learn in this tutorial, *iWork* on your Mac doesn't automatically save documents to iCloud – you'll have to do that yourself. But don't worry, we'll explain the process for you. Once you get into the right mindset you'll find working with iCloud a great help and, in some situations, it could be a lifesaver. Now let's show you how to share your documents with ease.
Ben Harvell

HOW TO / Share iWork documents in the cloud


iCloud
Show All
Account Details
Sign Out
Mail & Notes
Contacts
Calendars
Bookmarks
Photo Stream
Documents & Data
Back to My Mac
Find My Mac
Manage...

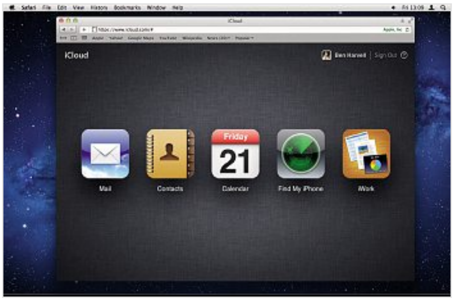
01 Access the Cloud

Start by making sure all of your devices are ready to connect and share through iCloud. On your iOS devices this will mean going to *Settings* and then **iCloud**. On your Mac, access the **iCloud** pane in *System Preferences*. Make sure that the **Documents & Data** option is on.


Pages
FAVORITES
All My Files
AirDrop
Applications
Desktop
Documents
Downloads
Movies
Music
Pictures
SHARED
DEVICES
Projects
Keynote
Numbers
Pages
Bake Sale P
Bike Sale Fl
Biology Cou
Course Cert
Family New
John Apples
Monthly Ne
Movie Poste
New Invoice
Solicitor Let
Thankyou C
Travel Journ

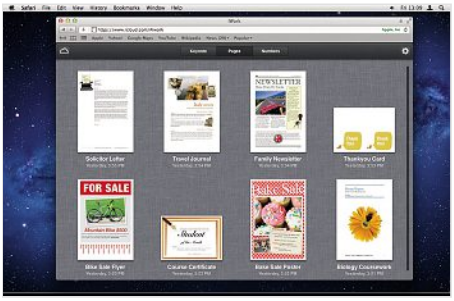
02 Organise documents

It will be helpful, at this stage, to gather all of your *iWork* documents into one place on your Mac. The **Documents** folder would be a good option, for example. By keeping your projects together it will be easier to access and share them to iCloud as well as make revisions.


iCloud
Friday
21
Mail
Contacts
Calendar
Find My iPhone
iWork

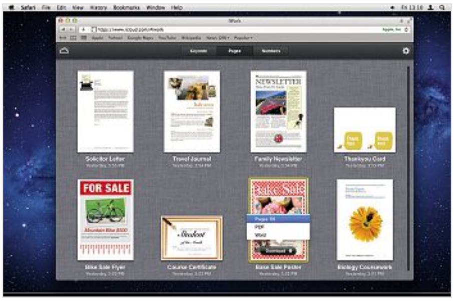
03 iCloud online

Head to the web browser on your Mac. *Safari* is your best bet here, but most modern web browsers will work. Navigate to **iCloud.com** and enter your username and password at the main screen. Once you're logged in, click the **iWork** button to access **Documents in the Cloud**.


Solicitor Letter
Travel Journal
Family Newsletter
Thankyou Card
FOR SALE
Bike Sale Flyer
Course Certificate
Bake Sale Poster
Biology Coursework

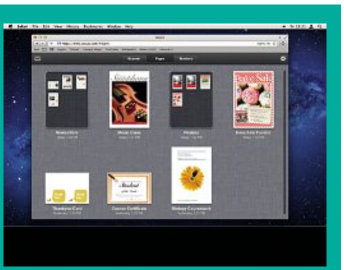
04 Existing documents

Across the top of the screen you will see three tabs for each *iWork* app. Click on one of them to see all of the documents for that particular app that you have created on your iOS devices. If you haven't created any documents yet, this screen will be blank.


Solicitor Letter
Travel Journal
Family Newsletter
Thankyou Card
FOR SALE
Bike Sale Flyer
Course Certificate
Bake Sale Poster
Biology Coursework

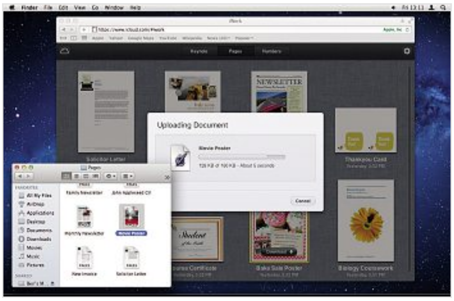
05 Download documents

To transfer documents created using *iWork* apps on your iOS devices to your Mac, click the file in your browser to select; then click the **Download** button. Now choose whether to download the file as an *iWork* document, as a PDF or a *Microsoft Office* document.



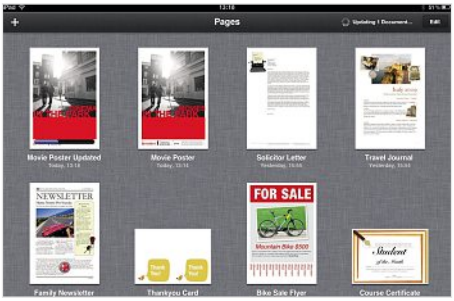
QUICK TIP

When viewing your documents through one of the *iWork* apps on your iOS device, you can arrange documents into folders. Simply tap and hold on a document until the icons begin to wiggle and then drag it on top of another document.


Uploading Document
Movie Poster
Cancel

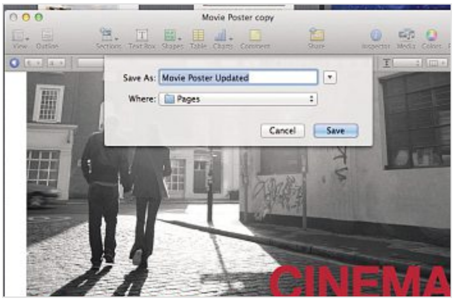
06 Upload documents

Uploading your *iWork* projects to iCloud is even easier than downloading them. Choose the file you want to upload, select the relevant *iWork* app tab within the iCloud web interface and drag your file to it. It will now upload to iCloud and appear on all of your devices.


Pages
Movie Poster Updated
Movie Poster
Solicitor Letter
Travel Journal
FOR SALE
Family Newsletter
Thankyou Card
Bike Sale Flyer
Course Certificate

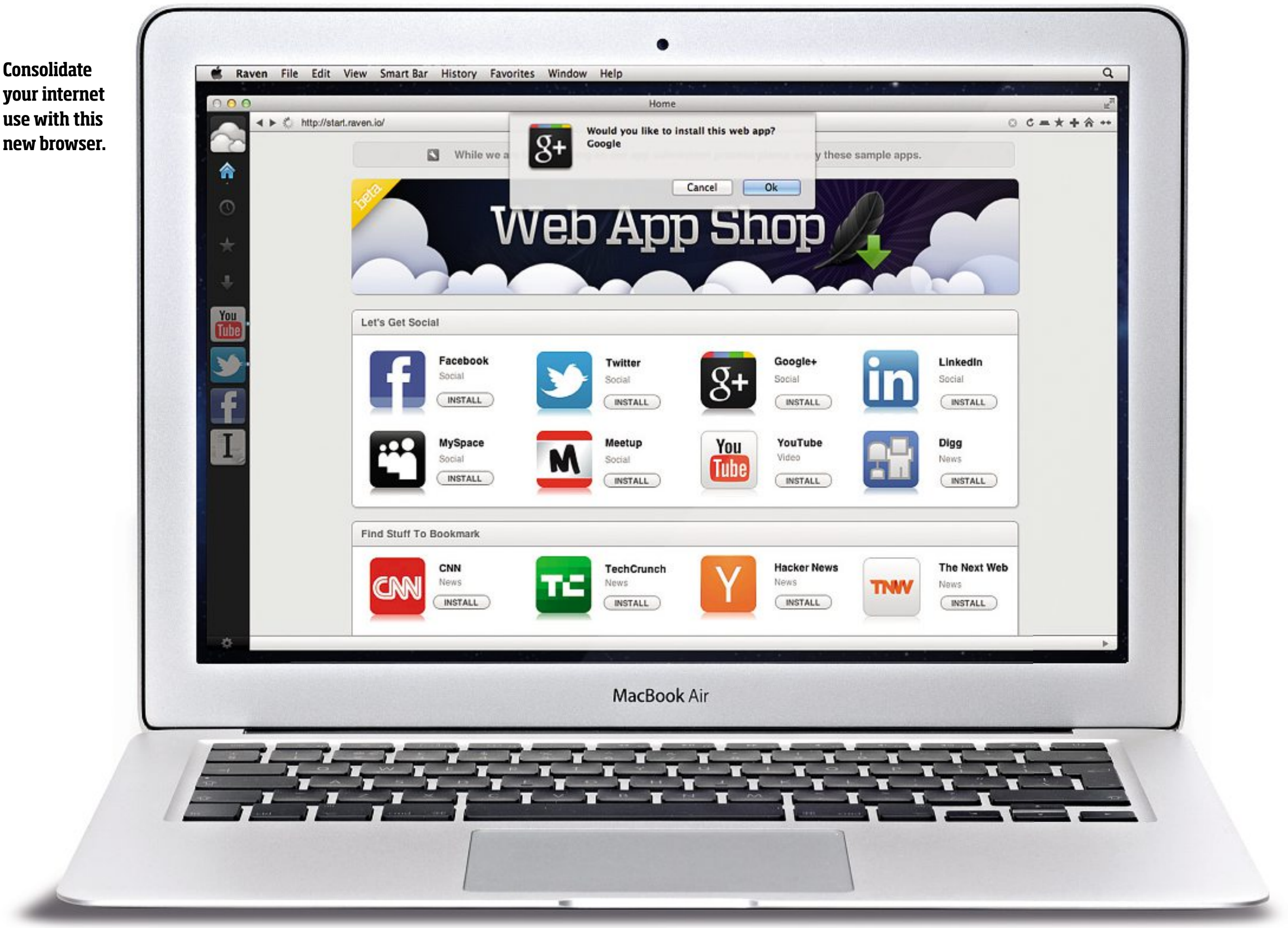
07 iOS access

Launching any *iWork* app on your iOS device and tapping the **Documents** button will show you all of your *iWork* documents including those you've uploaded from your Mac. You can load and edit them: these changes will be saved in the cloud for access on all your other devices.


Movie Poster copy
Save As: Movie Poster Updated
Where: Pages
Cancel
Save
CINEMA

08 Editing in iWork

Edits made to *iWork* documents on your iOS devices will be reflected in iCloud immediately. But you'll need to re-upload any documents you edit on your Mac via the iCloud browser interface. That way they can be updated across all of your devices. ●


Raven File Edit View Smart Bar History Favorites Window Help
Home
http://start.raven.io/
Would you like to install this web app?
Google
Cancel
Ok
Web App Shop
beta
Let's Get Social
Facebook
Twitter
Google+
LinkedIn
MySpace
Meetup
YouTube
Digg
INSTALL
Find Stuff To Bookmark
CNN
TechCrunch
Hacker News
The Next Web
MacBook Air

Consolidate your internet use with this new browser.

Use single-site browsers

Easily access the features of your favourite websites with Raven

>>KEY INFO

DIFFICULTY
Beginner

TIME NEEDED
30 minutes

WHAT YOU'LL NEED
Raven 0.5+, OS X 10.6+, an internet connection

Beyond search engines and the odd news publication, it was once rare for anyone to spend a huge amount of time on any single website. But today's internet is a very different place, dominated by popular social networking and video services. Although many millions of websites exist, it's commonplace for people to spend most of their time chatting on Facebook, tweeting on Twitter and watching funny cats on YouTube.

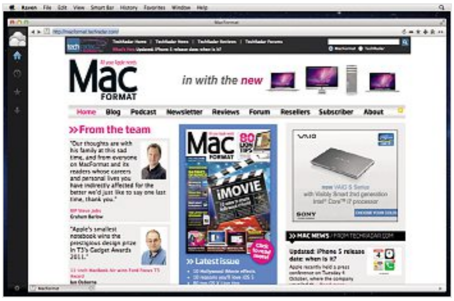
But desktop browsers have been slow to react to this change in our web habits. Oddly, it's the mobile space that's led the way, with efficient, simple apps that enable you to easily access the most important features of your favourite services. On the desktop, a few browsers enable you to 'pin' sites as special tabs, and Windows 7 enables you to add sites to the taskbar (with site-specific shortcuts available on a right-click), but Safari for Mac doesn't appear concerned with such matters.

Raven is a new web browser for OS X that aims to help you be more productive. With the catchphrase "Things evolve. So should your browser", it uses a unique interface that enables you to install sites as web apps and more easily jump to their most important components. The end result is a little like an iPad app crossed with the OS X Twitter app, but for Facebook, YouTube, Twitter, Instapaper and a whole host of other websites and services.

> *"Raven is like an iPad app crossed with the OS X Twitter app, but for a host of other sites and services"*

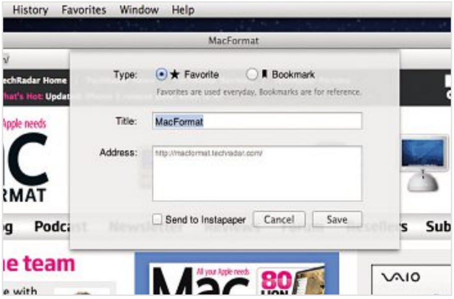
It's worth noting when trying *Raven* that it's in beta and so some features may be unfinished by the time you come to use it. However, at the time of writing (running version 0.5b1) we found it useful to have installed. You can download a copy at http://raven.io; and if you're a developer, be sure to check out the 'Developers' link, to find out how to integrate your web app with *Raven*.
Craig Grannell

HOW TO / Set up your favourite sites in Raven



01 Get started

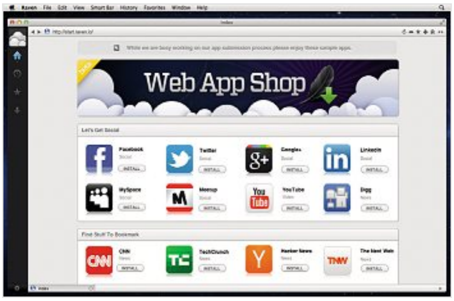
On launching *Raven*, you're presented with a welcome screen. At this point, it works much like any other browser – click inside the address field bar (or use ⌘+L to snap focus to it) and type a URL (**www.macformat.co.uk**!) to visit a website that you can browse as normal.



Type: ● Favorite ○ Bookmark
Favorites are used everyday. Bookmarks are for reference.
Title: MacFormat
Address: http://macformat.techradar.com/
☐ Send to Instapaper

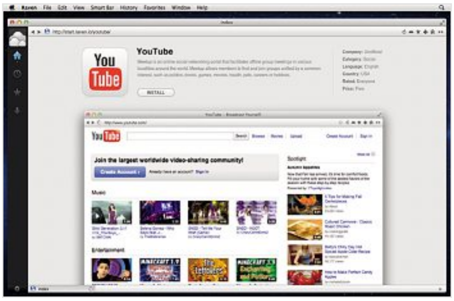
02 Save favourites

To save a non-app site, click the toolbar's + button. You can store it as a **Favorite** (for regularly visited sites) or a **Bookmark** (for ad-hoc reference). Click **Save**. Later, access saved sites from the star icon in the smart bar. Select one and it loads in the pane to the right.



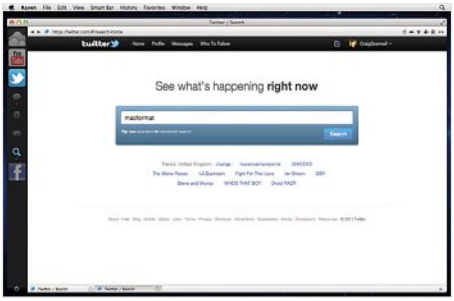
03 Visit the Web App Shop

Click the smart bar's home icon and then **Visit The Web App Shop** (also accessible from Smart Bar > Web App Shop). This will load a page that showcases a number of apps that you can install and thereby make easily accessible from *Raven's* smart bar.



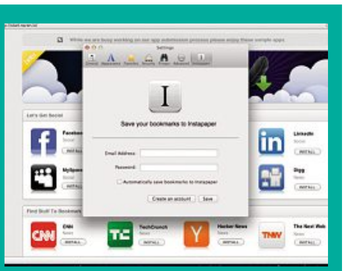
04 Install a web app

If you want to find out more about one of the web apps, click on its icon. Once you've decided to install one, click the **Install** button. For example, click **Install** under YouTube; this will add a YouTube icon to the smart bar that you can click to access the YouTube website.



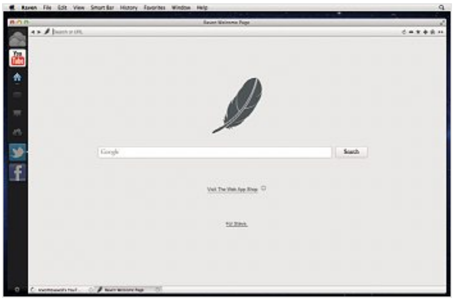
05 Use Web App shortcuts

Once selected, a Web App's shortcut appears under its smart bar icon. If you have a Facebook or Twitter account, install those Web Apps. For the former, you can access the timeline, messages, friends and events; for the latter, the timeline, replies, DMs and search.



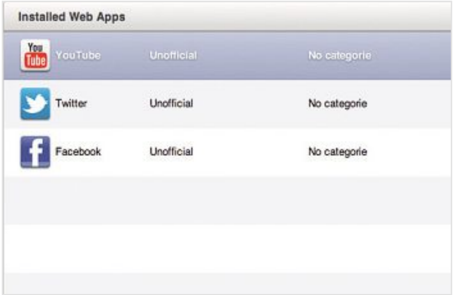
QUICK TIP

Instapaper is an excellent service for saving and reading web pages. *Raven's* preferences section enables you to have bookmarks sent to the service. Just type in your account's email address and password, click the checkbox and click **Save**.



06 Apps and tabs

Each Web App within the smart bar is its own single-site browser. Its state is retained when leave it. This is true of open tabs also. Select the YouTube app and click the new tab button. Switch to another app – the tab vanishes, since it's associated with the YouTube app.

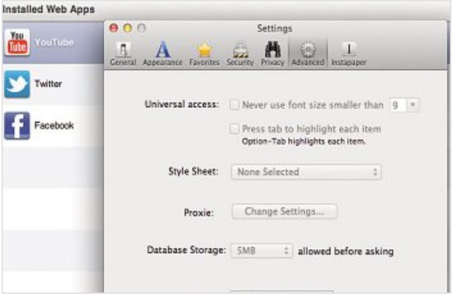


Installed Web Apps

YouTube	Unofficial	No categorie
Twitter	Unofficial	No categorie
Facebook	Unofficial	No categorie

07 Manage Web Apps

Click the cog at the foot of the smart bar and you'll see a list of your installed Web Apps. Click the **Off** or **On** buttons to change an app's smart-bar visibility, **Remove** to remove it entirely, or the arrows to amend the app's vertical position in the list.



Universal access: ☐ Never use font size smaller than 9
☐ Press tab to highlight each item
Option-Tab highlights each item.
Style Sheet: None Selected
Proxie: Change Settings...
Database Storage: 5MB allowed before asking

08 Factory reset

If you decide to start from scratch, set *Raven* to its default state. Open its preferences and select the **Advanced** section. Click **Factory Restore**. Close the main *Raven* window. Reopen it and you'll see just the default cloud icon – all installed apps will be gone. ●

Get better weather reports

Use swackett X to check out local and worldwide weather forecasts

» KEY INFO

DIFFICULTY
Beginner

TIME NEEDED
15 minutes

WHAT YOU'LL NEED
swackett X, OS X 10.6+, an internet connection

OS X gives you a basic weather app in the form of a *Dashboard* widget, but many people get rid of *Dashboard* entirely; even if they don't, the widget is basic and characterless. *swackett X* takes a different approach, with a symbol-oriented display that's easy for anyone to understand; and if you want more detail (two-hourly outlook; seven-day forecast; recent precipitation, cloud coverage and wind speed), it's there via a quick swipe.

swackett X is on the Mac App Store, priced £1.99. If you don't want to try it out first, a more limited free and ad-supported version of *swackett* is also available on the App Store.

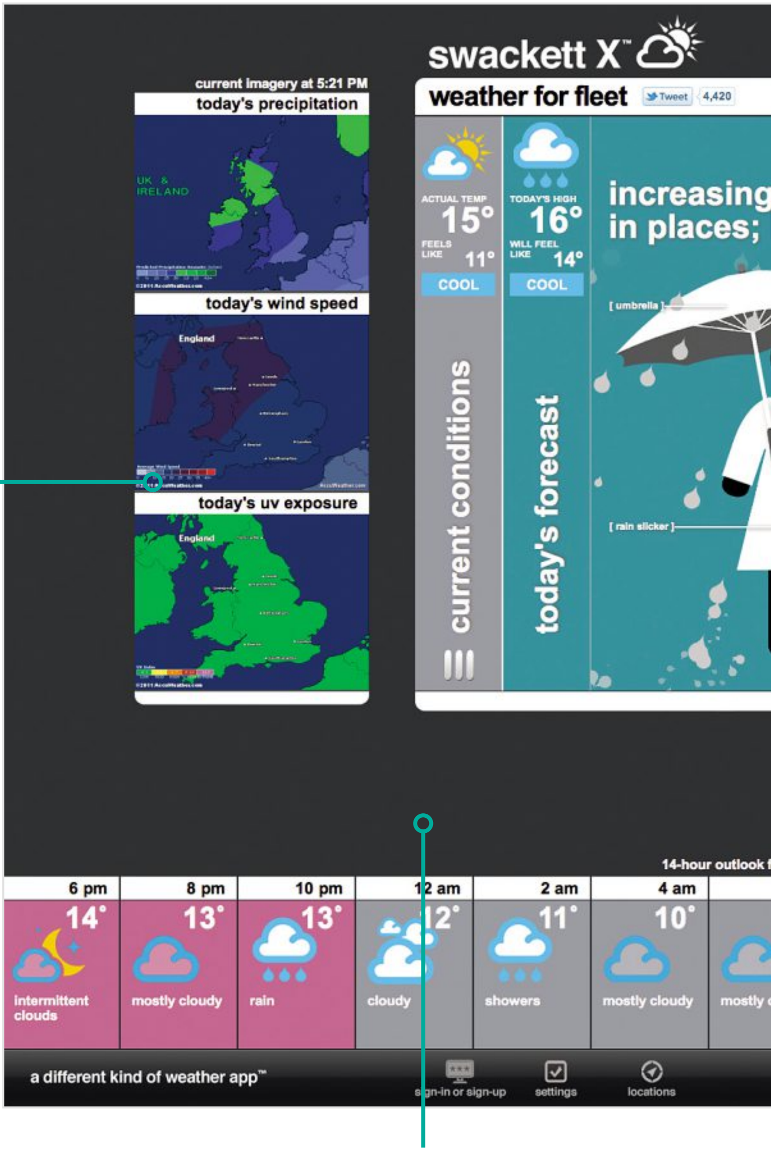
Craig Grannell

Weather maps

Scroll to the bottom of the window (or look to the left of the forecast if you're in full-screen mode on a large display) and you'll see some weather maps. These change depending on your location: in the USA, you'll get local and regional rainfall radars; in Europe, you'll get predicted precipitation, wind speed and UV exposure. To see larger maps, click to load them into a new window, and use the thumbnails at the top move between map types.

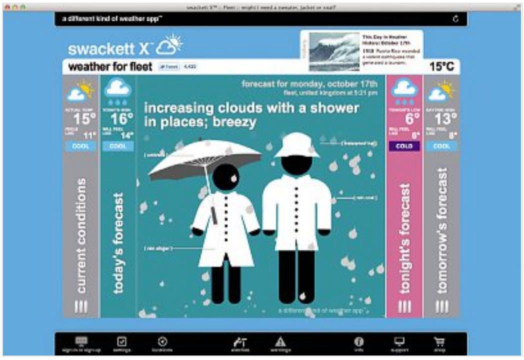
Forecasts and conditions

The main display shows today's forecast. Although you get the usual weather symbol and the temperature, the bulk of the main window's space is filled with what the developer refers to as 'peeps' (some of which are oddball Easter eggs), showing what's appropriate outdoor wear. This provides a lightning-fast and fun way to see what the weather's predicted to do today. Just click 'current conditions' to find out what's happening now (if you're deprived of a window), and the rightmost columns for tonight's and tomorrow's forecasts.


current imagery at 5:21 PM
today's precipitation
UK & IRELAND
today's wind speed
England
today's uv exposure
England
swackett X
weather for fleet
Tweet 4,420
ACTUAL TEMP 15°
FEELS LIKE 11°
COOL
TODAY'S HIGH 16°
WILL FEEL LIKE 14°
COOL
increasing
in places;
[umbrella]
[rain slicker]
current conditions
today's forecast
14-hour outlook
6 pm 14° intermittent clouds
8 pm 13° mostly cloudy
10 pm 13° rain
12 am 12° cloudy
2 am 11° showers
4 am 10° mostly cloudy
mostly
a different kind of weather app™
sign-in or sign-up
settings
locations

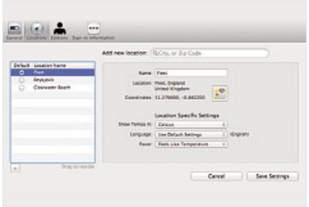
View worldwide summaries

If you want worldwide weather as print newspapers often display it – a somewhat arbitrary list of cities and details – *swackett X* can oblige. ⌘+1 and ⌘+2 bring up, respectively, the **Current Conditions** and **Current Conditions Details** windows (are also accessible using the **Windows** menu).


a different kind of weather app™
swackett X
weather for fleet
forecast for monday, october 17th
fleet, united kingdom at 5:21 pm
increasing clouds with a shower in places; breezy
15°
16°
6°
13°
15°C
COOL
COLD
current conditions
today's forecast
tonight's forecast
tomorrow's forecast

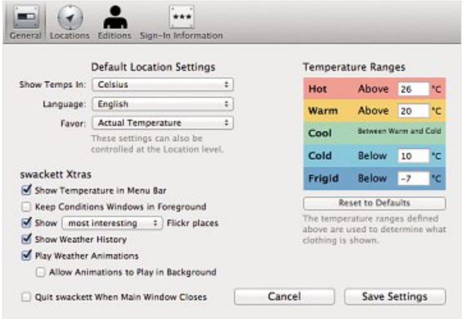
Go full-screen

If you're running OS X Lion, use the full-screen button at the top-right of *swackett X*'s window (or the keyboard shortcut ctrl+⌘+F) to move to full-screen mode. This mode reworks the layout of the application and also tones down its background colour. The overlay windows for the maps and current conditions remain available in this mode.



Define and access locations

Run *swackett X* and it asks for your location. Type in your town's name and wait for the app to provide a list to select from. To later define more locations, use the **Locations** section within the **Settings** sheet. You can define how temperatures are shown on a per-location basis. Select a defined location from the toolbar's 'locations' button.



General
Locations
Editions
Sign-In Information

Default Location Settings
Show Temps In: Celsius
Language: English
Favor: Actual Temperature
These settings can also be controlled at the Location level.

swackett Xtras
☑ Show Temperature in Menu Bar
☐ Keep Conditions Windows in Foreground
☑ Show most interesting Flickr places
☑ Show Weather History
☑ Play Weather Animations
☐ Allow Animations to Play in Background
☐ Quit swackett When Main Window Closes

Temperature Ranges

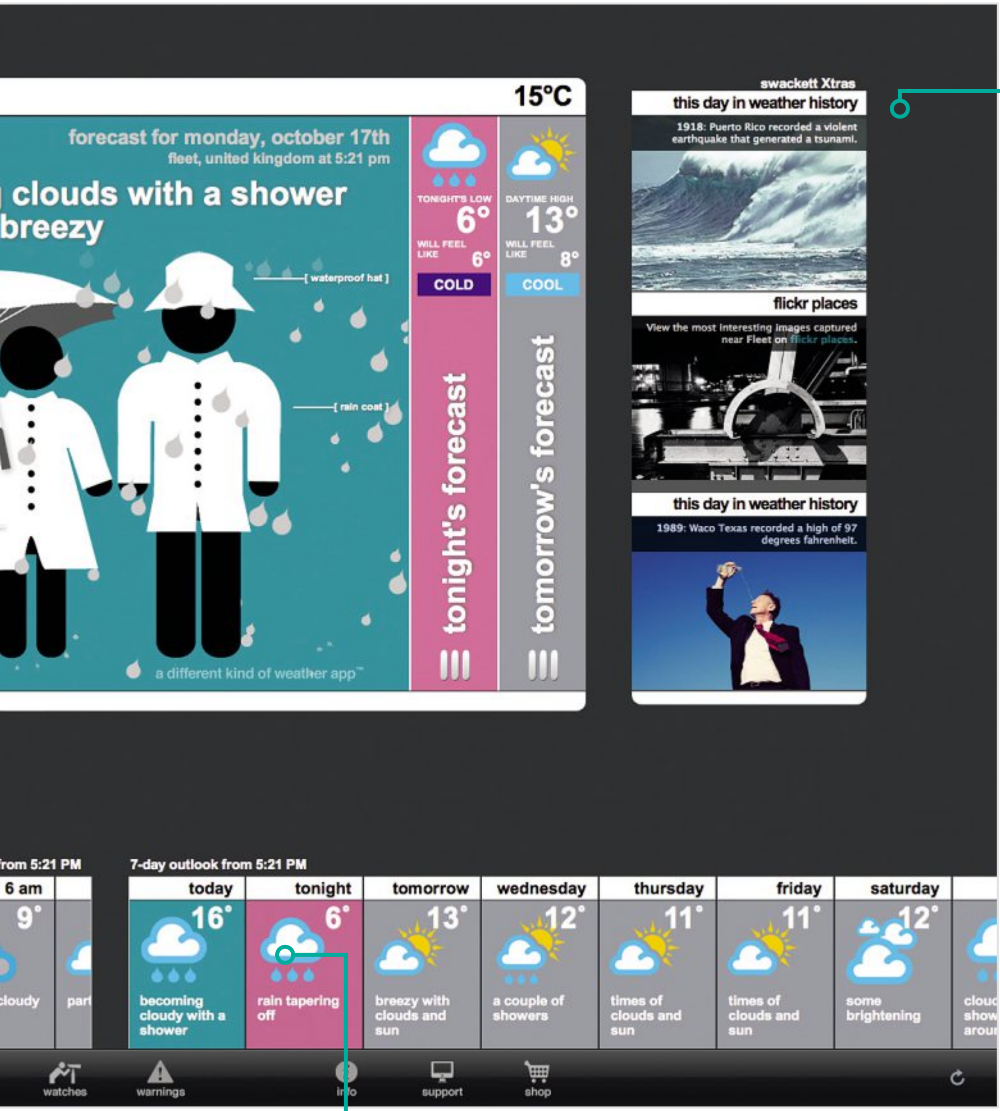
Hot	Above	26	°C
Warm	Above	20	°C
Cool	Between Warm and Cold		
Cold	Below	10	°C
Frigid	Below	-7	°C

The temperature ranges defined above are used to determine what clothing is shown.

Reset to Defaults
Cancel
Save Settings

Amend settings

You can access *swackett X*'s settings by clicking the 'settings' button, using the ⌘+, shortcut or going to swackett X > Settings. In **General**, use the menus at the top-left to define temperature units and also whether any temperatures displayed are actual or 'real feel'. Elsewhere in the pane, you can define the app's temperature ranges for 'hot', 'warm', 'cool', 'cold' and 'frigid' – handy if you're one of those people who happily trots round in sub-zero temperatures while only wearing a T-shirt.



15°C
forecast for monday, october 17th
fleet, united kingdom at 5:21 pm
clouds with a shower
breezy
[waterproof hat]
[rain coat]
a different kind of weather app™
TONIGHT'S LOW 6°
WILL FEEL LIKE 6°
COLD
tonight's forecast
DAYTIME HIGH 13°
WILL FEEL LIKE 8°
COOL
tomorrow's forecast
swackett Xtras
this day in weather history
flickr places
this day in weather history
rom 5:21 PM
7-day outlook from 5:21 PM
6 am
9°
loudy
part
today 16° becoming cloudy with a shower
tonight 6° rain tapering off
tomorrow 13° breezy with clouds and sun
wednesday 12° a couple of showers
thursday 11° times of clouds and sun
friday 11° times of clouds and sun
saturday 12° some brightening
clou show arou
watches
warnings
info
support
shop

1918: Puerto Rico recorded a violent earthquake that generated a tsunami.

View the most interesting images captured near Fleet on flickr places.

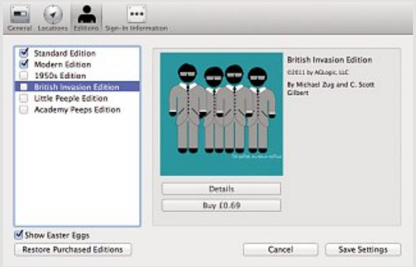
1989: Waco Texas recorded a high of 97 degrees fahrenheit.

Menu-bar widget

On launching *swackett X*, you'll see the temperature displayed in your menu bar. Click it and you'll see temperatures for the coming week, along with a **Location** menu that enables you to switch to another of your defined locations. To disable the menu-bar item, uncheck **Show Temperature in Menu Bar** in the **General** section of *swackett X*'s **Settings** sheet.

TIP / Load new editions

Open *swackett X*'s **Settings** sheet and click **Editions**. Here, you can see the 'editions' you have installed – an edition being an appearance type for the peeps in the main view. By default, you get 'standard' and 'modern', but further alternatives (such as a Beatles-style 'British Invasion') are available via in-app purchase, for 69p each.



General
Locations
Editions
Sign-In Information

☑ Standard Edition
☑ Modern Edition
☐ 1950s Edition
☐ British Invasion Edition
☐ Little Peeple Edition
☐ Academy Peeps Edition

British Invasion Edition
©2011 by AGLogic, LLC
By Michael Zug and C. Scott Gilbert

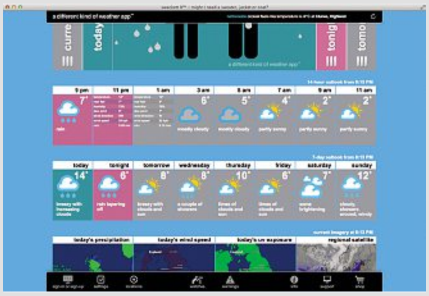
☑ Show Easter Eggs

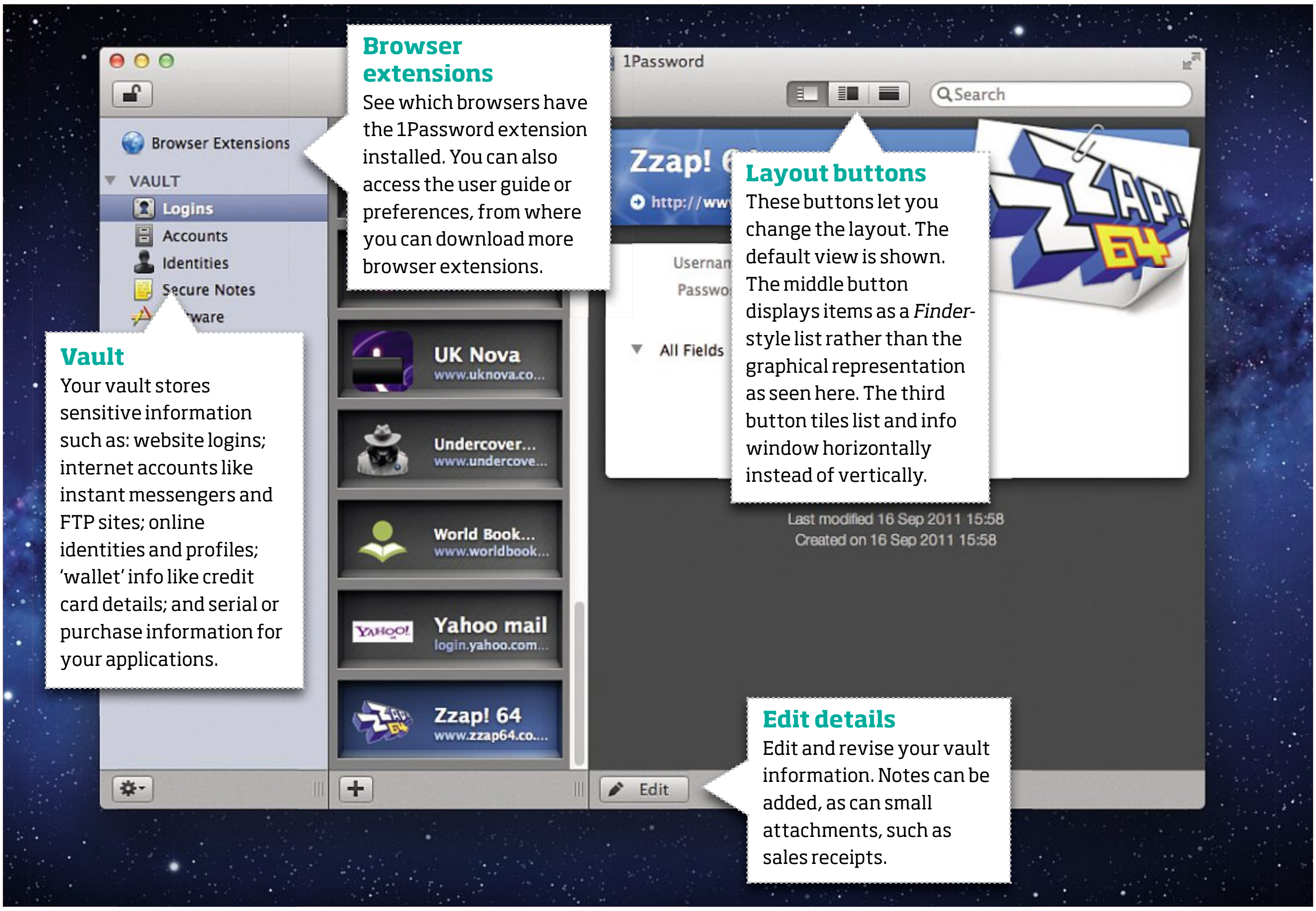
Details
Buy £0.69
Restore Purchased Editions
Cancel
Save Settings

Get new 'peeps' using the in-app purchasing.

Weather outlooks

Scroll down a bit (unless you're using *swackett X* in full-screen on a very large monitor, in which case look down a bit) and you'll see 14-hour and seven-day outlooks. These show basic symbols and one-line forecasts, but click on one and you can view more in-depth details, including the 'real feel' temperature, humidity, wind speed and direction, and predicted rainfall.




1Password
Search
Browser Extensions
VAULT
Logins
Accounts
Identities
Secure Notes
ware
Zzap! 6
http://ww
Usernam
Passwo
All Fields
UK Nova
www.uknova.co...
Undercover...
www.undercove...
World Book...
www.worldbook...
Yahoo mail
login.yahoo.com...
Zzap! 64
www.zzap64.co....
Last modified 16 Sep 2011 15:58
Created on 16 Sep 2011 15:58
Edit

Browser extensions
See which browsers have the 1Password extension installed. You can also access the user guide or preferences, from where you can download more browser extensions.

Layout buttons
These buttons let you change the layout. The default view is shown. The middle button displays items as a *Finder*-style list rather than the graphical representation as seen here. The third button tiles list and info window horizontally instead of vertically.

Vault
Your vault stores sensitive information such as: website logins; internet accounts like instant messengers and FTP sites; online identities and profiles; 'wallet' info like credit card details; and serial or purchase information for your applications.

Edit details
Edit and revise your vault information. Notes can be added, as can small attachments, such as sales receipts.

Get the most from 1Password

We take an in-depth look at AgileBits' versatile and powerful info vault

>> KEY INFO

DIFFICULTY
Beginner

TIME NEEDED
20 minutes

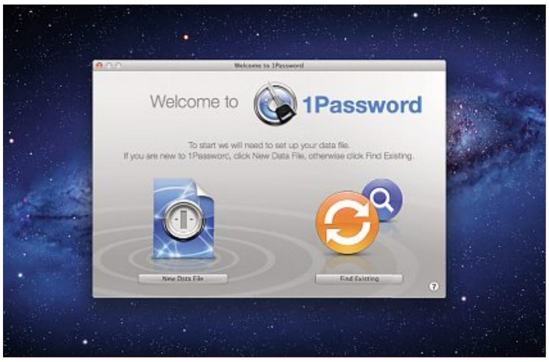
WHAT YOU'LL NEED
OS X 10.5 or later for 1Password 3, OSX 10.4 for 1Password 2, Dropbox account (optional), 1Password (available from **www.agilebits.com**)

AgileBits *1Password 3* is an incredible tool for storing private and sensitive information. After unlocking the application with your master password, you can launch websites and automatically fill in login information. With *1Password*, you're no longer tempted to reuse the same passwords for multiple websites. You've only the master password to remember. The application can even generate passwords for you.

But *1Password* isn't only for web logins. You can also store internet account information for FTP sites, instant messengers, servers, iTunes, your router and more. Stored online identities hold details such as your name, address, date of birth and phone numbers, which can all be automatically added to online registration forms. You can securely save the licence keys for applications you've bought, and also bank and credit card details.

But best of all, if you use *1Password* on more than one Mac, you can sync your information using a free Dropbox account. Add a new web login on your laptop, and it's also available on your home desktop and work Mac.

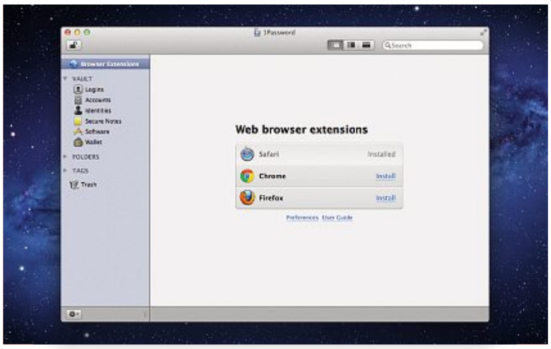
Ian Osborne


Welcome to 1Password
Welcome to 1Password
New Data File
Find Existing

To start we will need to set up your data file.
If you are new to 1Password, click New Data File, otherwise click Find Existing.

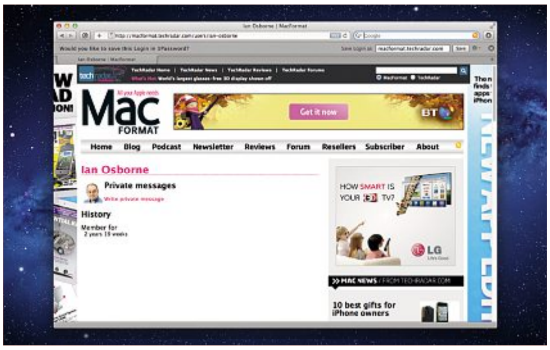
01 Set Up Dropbox

If you don't already have one, go to **www.dropbox.com**, set up a free account and install on all Macs on which you want to sync *1Password*. Set up *1Password* and go to Preferences > General. Press **Move to Dropbox**. On your other Macs sharing the Dropbox account, install *1Password* and select **Find Existing** when you set up a data file. Select **1Password.agilebitskeychain**.


1Password
Browser Extensions
VAULT
Logins
Accounts
Identities
Secure Notes
Software
Wallet
FOLDERS
TAGS
Trash
Web browser extensions
Safari
Installed
Chrome
Install
Firefox
Install
Preferences
User Guide

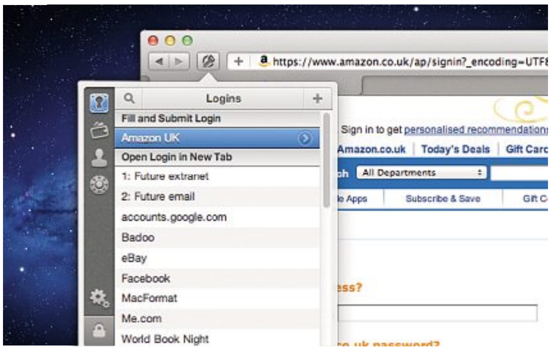
02 Install plug-ins

Open *1Password* and click on **Browser Extensions**. Click on an **Install** link and you're taken to a website, from where you can download and install extensions for *Safari*, *Firefox* and *Chrome*; full instructions are given for each. Do so for each all you have installed, and a *1Password* button appears in the browser's toolbar.


Mac
FORMAT
Home
Blog
Podcast
Newsletter
Reviews
Forum
Resellers
Subscriber
About
Ian Osborne
Private messages
History
10 best gifts for iPhone owners

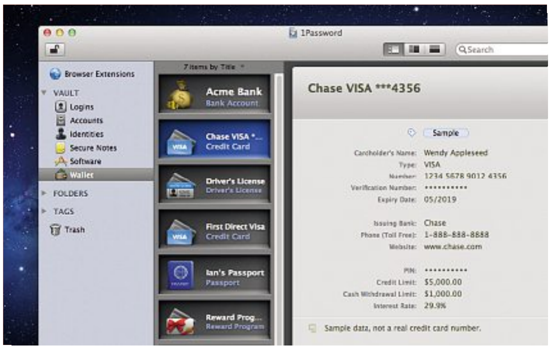
03 Manage logins

With your browser plug-in installed, when you next enter your login details on a web page, you're invited to save them. Do so and they're available from the *1Password* browser button next time you visit. You can edit the title they're saved under, decline to save (X) or never save details for that site (the cog button).


https://www.amazon.co.uk/ap/signin?_encoding=UTF8
Logins
Fill and Submit Login
Amazon UK
Open Login in New Tab
1: Future extranet
2: Future email
accounts.google.com
Badoo
eBay
Facebook
MacFormat
Me.com
World Book Night
Sign in to get personalised recommendations
Amazon.co.uk
Today's Deals
Gift Cards
All Departments
Apps
Subscribe & Save

04 Use saved logins

You can use previously saved logins in two ways. On the page, you can automatically fill and submit using the option in the browser extension menu. A list of all sites for which logins have been saved is available in the browser plug-in, and also the menu bar item. Select one to open it, fill it in and submit the login details.


1Password
Browser Extensions
VAULT
Logins
Accounts
Identities
Secure Notes
Software
Wallet
FOLDERS
TAGS
Trash
7 items by Title
Acme Bank
Bank Account
Chase VISA
Credit Card
Driver's License
Driver's License
First Direct Visa
Credit Card
Ian's Passport
Passport
Reward Prog...
Reward Program
Search
Sample

Chase VISA ***4356

Cardholder's Name: Wendy Appleseed
Type: VISA
Number: 1234 5678 9012 4356
Verification Number: **********
Expiry Date: 05/2019

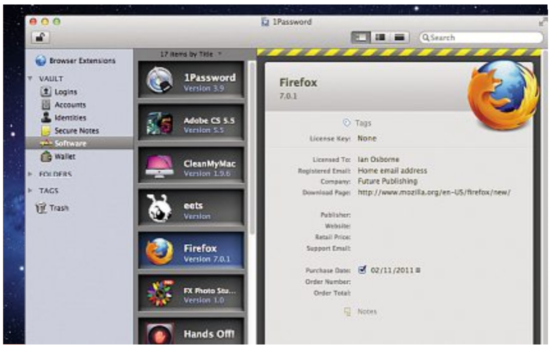
Issuing Bank: Chase
Phone (Toll Free): 1-888-888-8888
Website: www.chase.com

PIN: **********
Credit Limit: $5,000.00
Cash Withdrawal Limit: $1,000.00
Interest Rate: 29.9%

Sample data, not a real credit card number.

05 The Wallet

Click on the **Wallet** option in the **Vault** list, and you can add details for your banking, credit card, driver's licence, passport, reward programme and more. When using an online shopping site, you can fill in credit card details automatically using the second icon in the left-hand column of the browser extension menu.


1Password
Browser Extensions
VAULT
Logins
Accounts
Identities
Secure Notes
Software
Wallet
FOLDERS
TAGS
Trash
17 items by Title
1Password
Version 3.9
Adobe CS 5.5
Version 5.5
CleanMyMac
Version 1.9.6
eets
Version
Firefox
Version 7.0.1
FX Photo Stu...
Version 1.0
Hands Off!
Search
Tags
Notes

Firefox
7.0.1

License Key: None

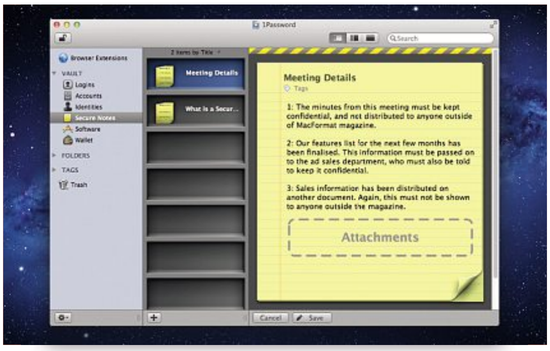
Licensed To: Ian Osborne
Registered Email: Home email address
Company: Future Publishing
Download Page: http://www.mozilla.org/en-US/firefox/new/

Publisher:
Website:
Retail Price:
Support Email:

Purchase Date: ☑ 02/11/2011
Order Number:
Order Total:

06 Software information

The *1Password* **Vault** also has a section for your purchased software details. You can add an app to your list by dragging it onto the list or **Vault** in the *1Password* window, then add details such as the licence key number. There's also an attachments section onto which you can drag small files, such as emails or receipts.


1Password
Browser Extensions
VAULT
Logins
Accounts
Identities
Secure Notes
Software
Wallet
FOLDERS
TAGS
Trash
2 items by Title
Meeting Details
What is a Secur...
Search
Tags
Attachments
Cancel
Save

Meeting Details

1: The minutes from this meeting must be kept confidential, and not distributed to anyone outside of MacFormat magazine.

2: Our features list for the next few months has been finalised. This information must be passed on to the ad sales department, who must also be told to keep it confidential.

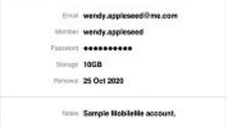
3: Sales information has been distributed on another document. Again, this must not be shown to anyone outside the magazine.

07 Make Notes

The **Secure Notes** section lets you make free-form notes that are secured in your *1Password* **Vault**. You can type anything you want, or cut and paste text from another application or document. Like other **Vault** items, you can securely attach files of up to 20MB in size by dragging them onto a note's **Attachments** box. ●

»EXPERT TIP

1Password for iOS



Email wendy.appleseed@me.com
Member wendy.appleseed
Password ••••••••••
Storage 10GB
Renewal 25 Oct 2020

Notes Sample MobileMe account.

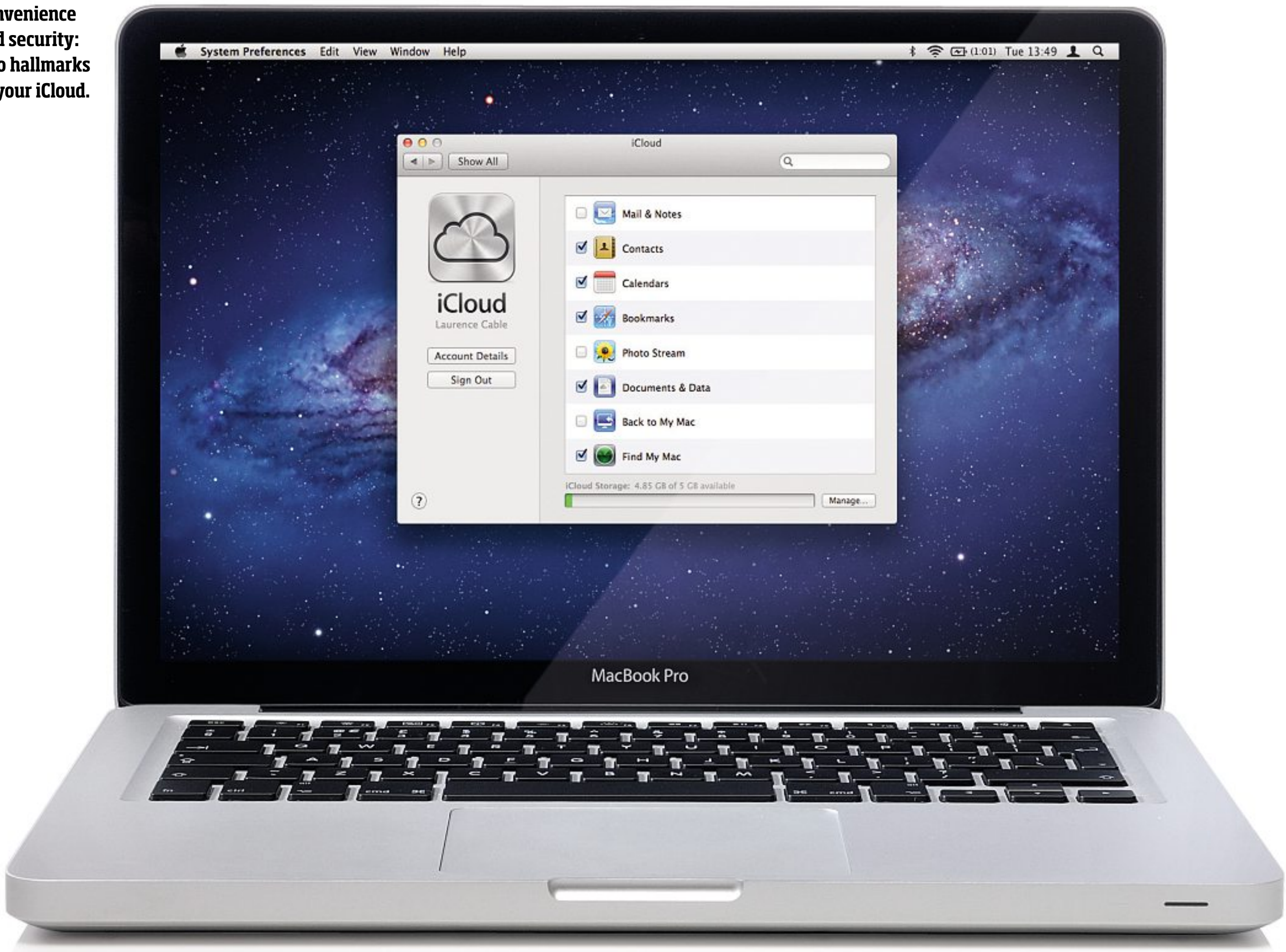
Like the Mac version, the iOS app can also sync your password information and personal data using *Dropbox*. You must set up *1Password* syncing with *Dropbox* on your Mac first, and allow *Dropbox* to finish syncing your Mac's files. When it's done, launch *1Password* on your iOS device. You have to create a new database. You must then go to More > Settings on the iPhone/iPod touch or tap the Settings icon on an iPad, select Sync, then select *Dropbox*. Toggle the slider to enable *Dropbox* syncing, enter your iOS *1Password* master password, and then enter your *Dropbox* account details. You then enter your Mac's *1Password* master password, but if you chose the same one for your iOS device, it's entered automatically.

MASTER PASSWORD

»QUICK TIP

If needed, lock *1Password* manually using the menu bar item, the padlock icon in a browser extension menu or the button on the unlocked *1Password* window. It's that easy.

Convenience and security: two hallmarks of your iCloud.



☐ Mail & Notes
☑ Contacts
☑ Calendars
☑ Bookmarks
☐ Photo Stream
☑ Documents & Data
☐ Back to My Mac
☑ Find My Mac

iCloud Storage: 4.85 GB of 5 GB available

Set up iCloud on your Mac

Get everything in sync and learn how to find a lost Mac using iCloud

>> KEY INFO

DIFFICULTY
Beginner

TIME NEEDED
20 minutes

WHAT YOU'LL NEED
OS X 10.7.2, internet connection

There's been a lot of fanfare about the launch of iCloud, Apple's brand new free online storage system. It doesn't just allow you to back up your iPhone, iPad or iPod touch; iCloud keeps your vital data in sync between multiple devices, be they Macs, Windows PCs, iPhones, iPads or iPod touches.

Designed to ensure you've always got your important stuff with you, it works seamlessly with many of your Mac's built-in apps, including *Mail*, *iCal* and *Safari*. Even if you only have a single Mac, it's worth setting it up to use iCloud, so that you've got an online backup of your data. We're going to show you how to set it up on your Mac. Then we'll show how to use Find My Mac, a key feature that enables you to pinpoint your Mac's location, should it go astray.

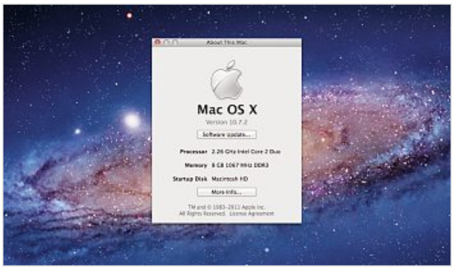
iCloud can keep a range of things in sync for you. These include your emails, notes, contacts, calendars, *Safari* bookmarks, documents and data from compatible apps, and your photo stream. You can decide which of these things you'd like to keep synchronised. What it doesn't do is back up much of the contents of your Mac's hard drive: you'll still need to use your *Time Machine* or online backup system to take care of that.

> *"iCloud can keep a range of things in sync for you, including your emails, notes, Safari bookmarks and more"*

iCloud is free, but you do need to be running OS X Lion to use it, so if you haven't already upgraded, now's a great time to do so. Get it from the Mac App Store, or order a USB drive with it on from **www.apple.com/uk/store**. And to use it on your iPhone, iPad or iPod touch, these devices will need to be on iOS 5: plug your device into your Mac, open *iTunes*, click it in the left column, then click **Check for Update** on the right.

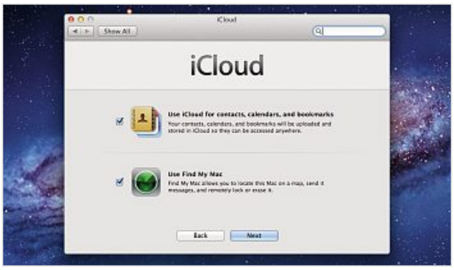
You'll need an Apple ID to use iCloud (the same you use for *iTunes* or App Store downloads). If you don't have one, set one up in the **iCloud** *System Preferences* pane (step 2). **Laurence Cable**

HOW TO / Set up iCloud on your Mac



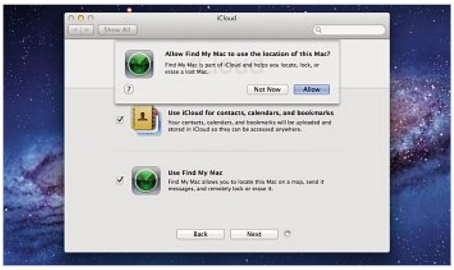
01 Check you're up to date

You need to be running the latest version of OS X Lion to take advantage of iCloud. Choose **About This Mac** from the menu: if it says you're on version 10.7.2 or later, you're good to go. If it's 10.7.1 or 10.7, click **Software Update…** to get the newest version.



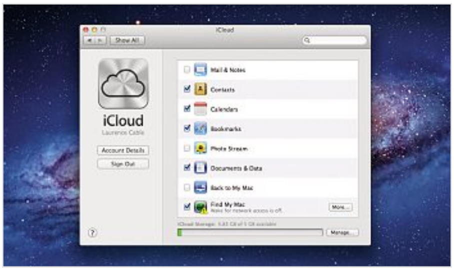
02 Enable iCloud

All your important iCloud settings are in > System Preferences > iCloud. Type your Apple ID and password into the boxes and click **Sign In**. You can't fine-tune things at this stage: we suggest you tick both boxes, but you can always manually add or remove elements later.



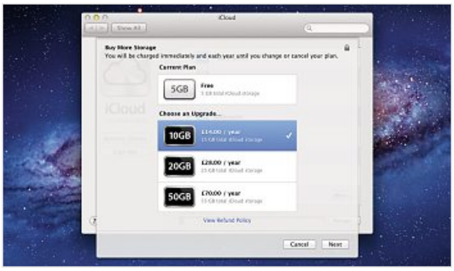
03 Allow location use

If you're using Google Sync, this has to be switched off. If you're happy with this, click **OK**. You'll now need to authorise Find My Mac to access the location of the computer. Go ahead and click **Allow**, and you'll be taken to the main iCloud settings screen.



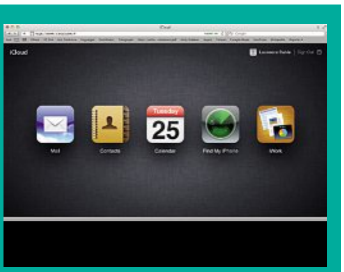
04 Fine-tune things

You can now turn sync services on and off. Tick or untick the boxes as you wish. You may see an exclamation symbol next to the Find My Mac entry: if so, click **More…**. In our case, we needed to enable **Wake for network access** in **Energy Saver**.



05 Buy more storage

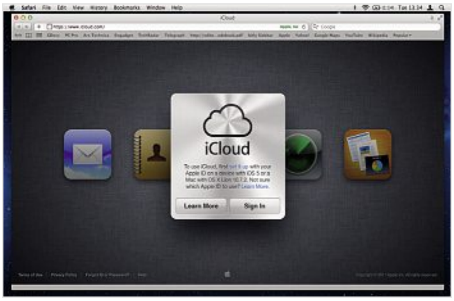
You get 5GB of free iCloud storage. But as you add more things to it, you may find the capacity bar at the bottom filling up. To buy more storage, click **Manage…**, then **Buy More Storage…**. An additional 10GB costs £14 a year, 20GB is £28, while 50GB is £70 per annum. ●



QUICK TIP

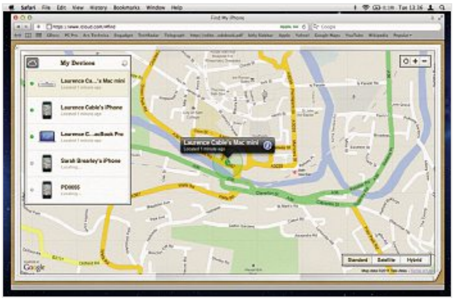
If you're away from your Mac and need to access something that's stored in iCloud, go to **www.icloud.com** and sign in. This gives you access to all your *Mail*, *Contacts*, *Calendar* and *iWork* files.

HOW TO / Find a lost Mac



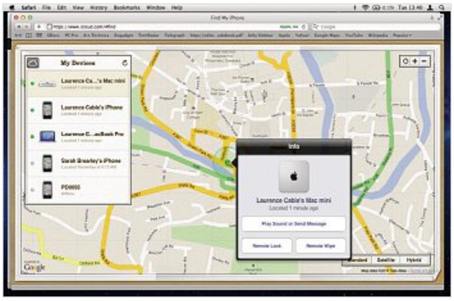
01 Sign into iCloud.com

Provided you've set up Find My Mac as above and it's connected to the internet, you'll be able to pinpoint where it is in the world. On the iPhone, iPad or iPod touch, download the *Find my iPhone* app. On a Mac or PC, go to **www.icloud.com** and click **Sign In**.



02 See it on a map

Type in your Apple ID and password and press ⏎. Then click **Find My iPhone**: a map will load with your registered devices shown as pins. To see where a device is, click its name in the panel on the left. If it can't be located, you'll be shown when and where it was last sighted.



03 Remotely control it

If you're concerned your Mac has fallen into the wrong hands, or have simply misplaced it, click the 'i' next to its name on the map to see your options. You can make it play a sound, send a message to appear on its screen, or you can remotely lock or wipe it. ●

Get organised with iCal

Discover the great new features in Lion's built-in calendar app

» KEY INFO

DIFFICULTY
Beginner

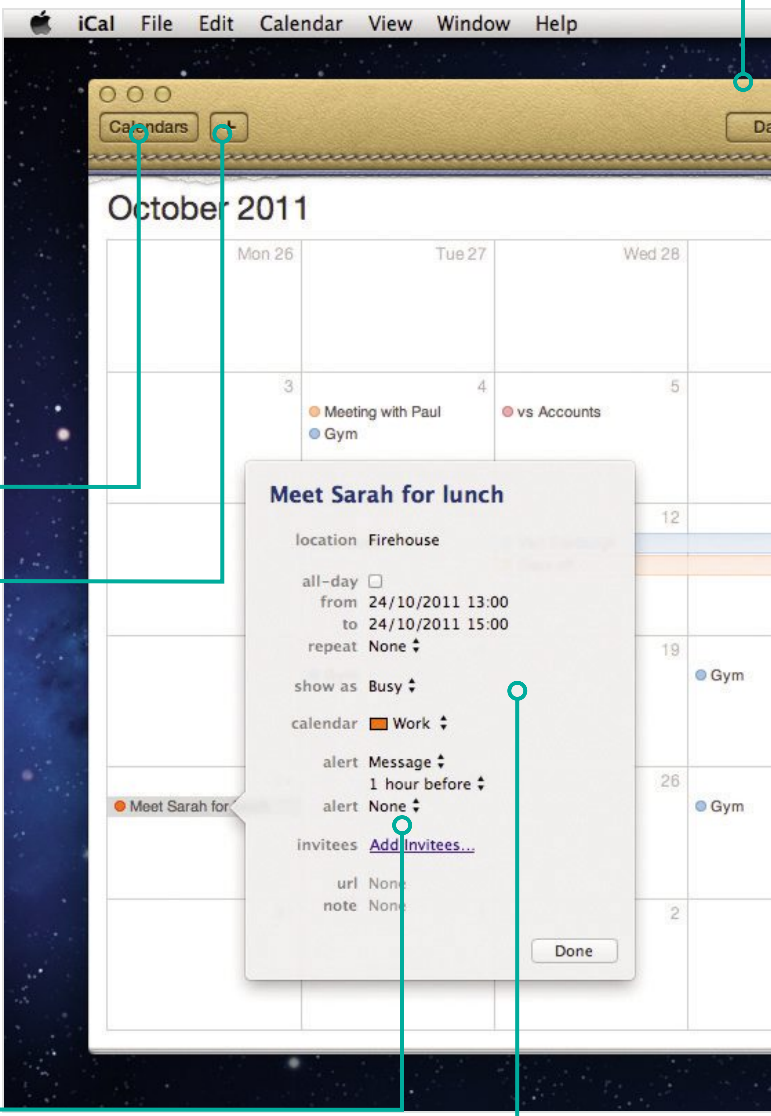
TIME NEEDED
15 minutes

WHAT YOU'LL NEED
OS X Lion, internet connection

Organising your life in *iCal* has never been easier: aside from the new look the app got for OS X Lion, the calendar system received a raft of new features to make it easier and quicker to use.

We're going to take you on a tour of the new features (as well as some of the existing ones) so that you can make the most of them, and get yourself organised faster than ever before. Make sure you're running OS X Lion: Choose > About this Mac and make sure the Version number is 10.7.2 or later, since this will enable you to take advantage of iCloud.

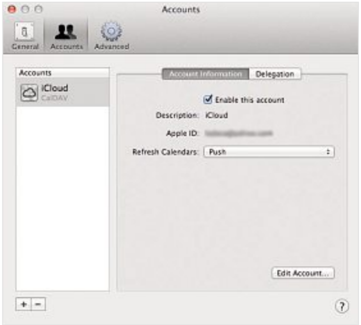
Laurence Cable


iCal
File
Edit
Calendar
View
Window
Help
Calendars
+
Da
October 2011
Mon 26
Tue 27
Wed 28
3
4
5
Meeting with Paul
Gym
vs Accounts
12
19
Gym
26
Gym
Meet Sarah for
2
Done

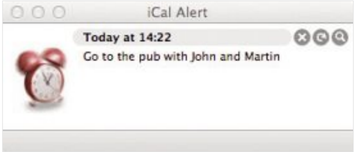
Meet Sarah for lunch
location Firehouse
all-day ☐
from 24/10/2011 13:00
to 24/10/2011 15:00
repeat None
show as Busy
calendar Work
alert Message
1 hour before
alert None
invitees Add Invitees...
url None
note None

iCloud integration

If you've got iCloud set up on your Mac (see page 66), your calendars should all appear under **Calendars** automatically (under **iCloud** as opposed to **On My Mac**). To check it's set up, go to iCal > Preferences > Accounts and see if your iCloud account is there. If not, click +, choose **iCloud** from the **Account Type** drop-down, and enter your Apple ID and Password in the fields below. Now, whenever you add an event in *iCal*, it will appear on any devices you've linked to your iCloud account, such as your iPhone or iPad.


Accounts
General
Accounts
Advanced
Accounts
iCloud
CalDAV
Account Information
Delegation
Edit Account...
+
−
?

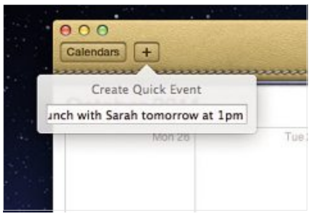
☑ Enable this account
Description: iCloud
Apple ID: [redacted]
Refresh Calendars: Push



Today at 14:22
Go to the pub with John and Martin

Add new events

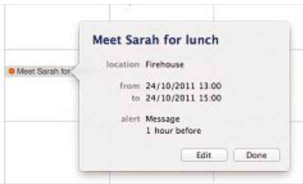
Click the + button, then type in what your event is and when it is: "Lunch with Sarah tomorrow at 1pm", then press ⏎. *iCal* cleverly interprets this to create an event tomorrow at 1pm called Lunch with Sarah. Once created, an editable event popup appears.


Calendars
+
Create Quick Event
Mon 26
Tue

unch with Sarah tomorrow at 1pm

Alerts

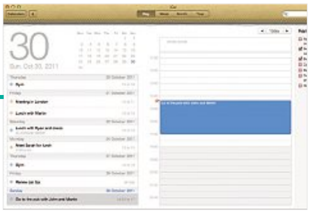
Not a new feature, but an essential one to make sure you never miss an appointment. Choose between an email, on-screen message or sound, or set a particular app to open or script to run. In the second drop-down, decide how long before the event you'd like reminding. Note that you can set more than one alert – perhaps one a day before, then another an hour prior to the event. These should sync between all your iCloud devices.


Meet Sarah for
Edit
Done

Meet Sarah for lunch
location Firehouse
from 24/10/2011 13:00
to 24/10/2011 15:00
alert Message
1 hour before

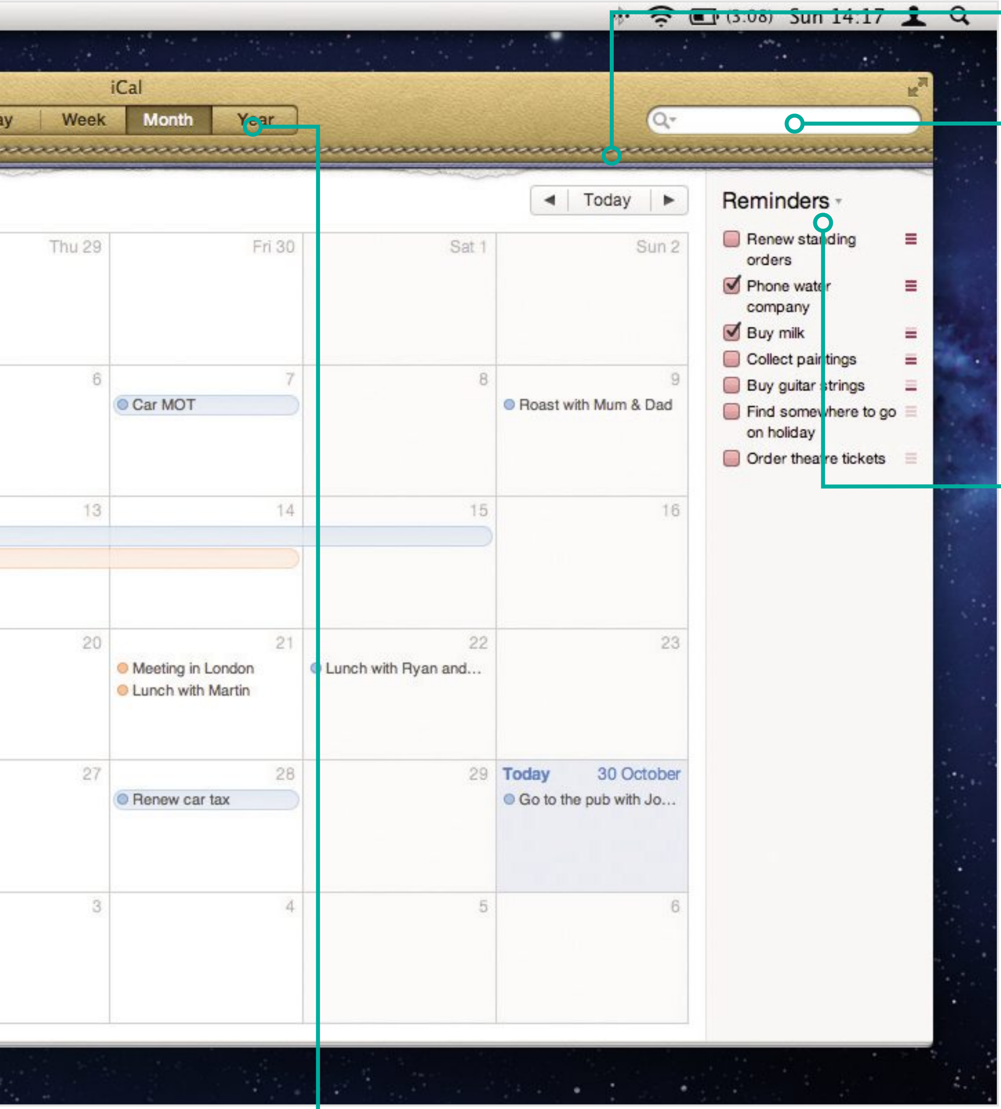
Fine-tuning

This box appears when you create an event, or when you double-click one in your calendar and then click **Edit**. It enables you to fine-tune things. Make the changes you need: set a location, an end time, decide which calendar you want it to exist in, and any notes you'd like to add. Importantly, you can also add alerts here.



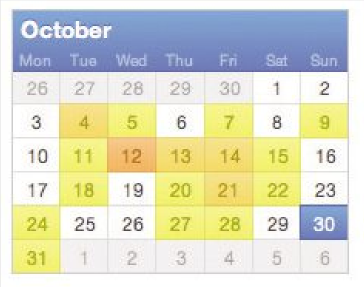
New Day view

Keeping on top of a busy day is easier than ever. Click **Day**, and you'll see a list of upcoming appointments on the left. On the right is an hour-by-hour run-down of the day in question, showing what events you've got scheduled and when. In between, the white space shows when you've got some much-needed free time.


Sun 14:17
iCal
Week
Month
Year
Today
Thu 29
Fri 30
Sat 1
Sun 2
6
7
8
9
Car MOT
Roast with Mum & Dad
13
14
15
16
20
21
22
23
Meeting in London
Lunch with Martin
Lunch with Ryan and...
27
28
29
Today
30 October
Renew car tax
Go to the pub with Jo...
3
4
5
6
Reminders
Renew standing orders
Phone water company
Buy milk
Collect paintings
Buy guitar strings
Find somewhere to go on holiday
Order theatre tickets

Year view

iCal in Lion lets you see your whole year at a glance. It's a great way to see when you've got quiet periods coming up, because days are highlighted differently, depending on how busy they are: the darker the colour, the more appointments you have (or had) scheduled. Get into **Year** view via the button at the top, or press ⌘+4.



October

Mon	Tue	Wed	Thu	Fri	Sat	Sun
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Browsing

The **Today** button, predictably enough, jumps you to the present day, whichever view you're in. The left and right arrows take you to the next time period in the view you're in: be that the next day, week, month or year. If you love your keyboard shortcuts, press ⌘+◀ or ⌘+▶. You can also go straight to a specific date by pressing ⌘+⇧+T in combination.

Searching

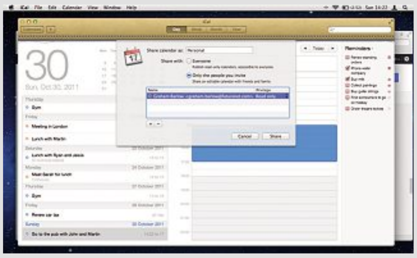
Say you've remembered a particular appointment coming up, but can't for the life of you think when it is. Type a relevant word into the **Search** bar to look up all matching events. As well as being able to dig a specific appointment out of a busy calendar, it's a good way of finding the last time you went to the dentist, or had your car's MOT done. That way you know when to book the next.

Reminders

The old to-do list has been replaced by a **Reminders** pane. If it's not showing, press ⌥+⌘+T. To add a reminder, go to File > New Reminder or press ⌘+K, then type in your text and press ↩. Click the three lines next to your reminder to set its priority: **Low**, **Medium** or **High**. If you've got your Mac linked to iCloud, the reminders will conveniently appear on all your similarly linked devices.

>> TIP / Share a calendar

If you'd like others to be able to view or even edit your calendar, go to Calendar > Share Calendar…. We suggest you don't share it with everyone, so pick **Only people you invite**, click the lower pane and type in their email address. Use the drop-down under **Privilege** to decide if they're allowed to edit (**Write**) the calendar, or just look at it (**Read**). They will receive a message inviting them to join. To stop sharing your calendar at any time, click Calendar > Stop Sharing.



Share calendars between friends and colleagues.

Manage your Apple ID

From the Apple Store to Photo Stream, taking care of your Apple ID is key

>> KEY INFO

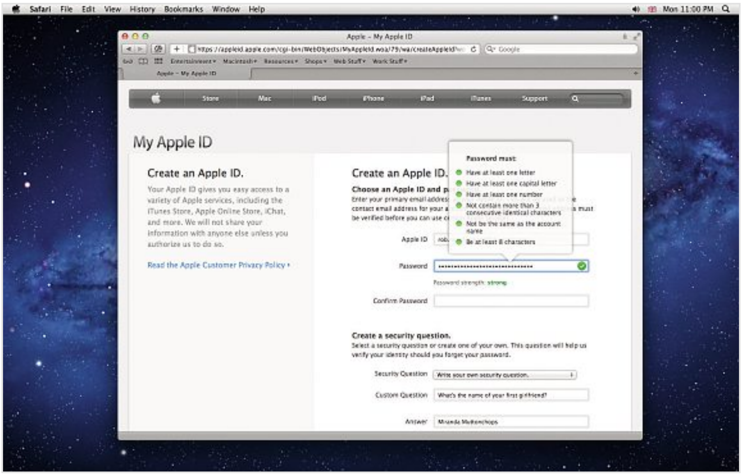
DIFFICULTY
Intermediate

TIME NEEDED
15 minutes

WHAT YOU'LL NEED
An internet connection, your Apple ID and/or personal details

Whether you want to sign up to iCloud, buy something from the online Apple Store or simply download some music and movies from *iTunes*, sooner or later you'll be prompted to use or create an Apple ID. It's Apple's way of identifying who you are and enables you to log details like your email address, physical address and payment details. This avoids having to enter them every time you want to buy something or subscribe to Apple services like iCloud.

Having an Apple ID also comes in handy for all kinds of other reasons: one of the biggest is the ability to synchronise your emails, *iCal* events, *Address Book* and *Safari* bookmarks across multiple Macs as well as with Apple devices such as the iPad, iPod or iPhone.


Safari File Edit View History Bookmarks Window Help
Mon 11:00 PM
Apple – My Apple ID
https://appleid.apple.com/cgi-bin/WebObjects/MyAppleId.woa/79/wa/createAppleId
Google
Entertainment Macintosh Resources Shops Web Stuff Work Stuff
Store
Mac
iPod
iPhone
iPad
iTunes
Support
My Apple ID

Create an Apple ID.

Your Apple ID gives you easy access to a variety of Apple services, including the iTunes Store, Apple Online Store, iChat, and more. We will not share your information with anyone else unless you authorize us to do so.

Read the Apple Customer Privacy Policy ›

Create an Apple ID.

Password must:
- Have at least one letter
- Have at least one capital letter
- Have at least one number
- Not contain more than 3 consecutive identical characters
- Not be the same as the account name
- Be at least 8 characters

Password strength: strong

Create a security question.
Select a security question or create one of your own. This question will help us verify your identity should you forget your password.

Security Question: Write your own security question.
Custom Question: What's the name of your first girlfriend?
Answer: Miranda Muffenchops

If you don't yet have a primary Apple ID, this site is a suitable place to set a new one up.

Into the iCloud

With the arrival of iCloud, Apple has shifted your Apple ID up a gear. Now apps, music and books bought with it on one device are automatically available to download on others. An Apple ID is also essential if you want to take advantage of new iOS 5 features like Photo Stream, which shares any pictures you take with your iPhone's camera with your other Apple gear. It's fair to say, having an Apple ID really does make your life easier, simpler and more fun.

The only tricky thing about using an Apple ID is that Apple has offered numerous variants of it over the years: if you've been using a Mac for a while, chances are you'll probably have a dotmac (.me) address, a MobileMe (.me) and an iCloud address (.me). You may even have bought stuff from the online Apple Store or from *iTunes* using a work email address, a Gmail address or any kind of email – and that can quickly make the situation confusing.

One way of managing the mess is to head over to My Apple ID (**http://appleid.apple.com**), which enables you to organise all your various email addresses and bring them together. You can also use My Apple ID to update Apple with your physical address and phone number, set or change your password and security questions and even set your language preferences. One thing you can't do here, unfortunately, is update Apple with your credit or debit card details: you still have to do this separately either on the iTunes Store or via the online Apple Store.

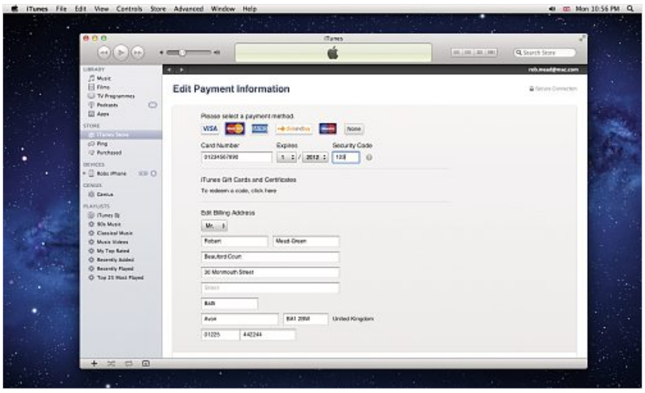
You also can't use My Apple ID to merge all your different Apple IDs into one super account. This can be a pain if you bought something on *iTunes* using an email address you no longer use: you'll still need to remember to use that email address to authorise the stuff you bought if you ever want to play it in *iTunes* or move it to another device. It's also annoying if you want to share something you've bought with your partner or members of your family, since you can only use one Apple ID at a time on your Mac, iPod, iPad or iPhone. You could get around this by creating a shared Apple ID account, but then that stops you from accessing stuff you bought before you set up the shared account.

> *"One way of managing the mess is to head over to My Apple ID, which enables you to organise and consolidate email addresses"*

In an email to a Mac user in September, Apple acknowledged that the inability to merge Apple IDs was a problem and that the company was looking into it. However, a recent update on the issue seems to contradict Apple's earlier statement. Until Apple agrees to a permanent fix, use My Apple ID to manage your stuff as best as you can.

Rob Mead-Green

You can only add your credit and debit card details directly into the iTunes Store.



Edit Payment Information

Please select a payment method

Card Number: 01234567890
Expires: 1 / 2012
Security Code: 123

iTunes Gift Cards and Certificates
To redeem a code, click here

Edit Billing Address
Mr.
Robert
Mead-Green
Beauford Court
30 Monmouth Street
Bath
Avon
BA1 2BW
United Kingdom
01225
442244

HOW TO / Set up and manage your Apple ID

01 Create a new Apple ID

If you're new to the Mac, iCloud or iOS 5, you'll need to create an Apple ID. Do this by going to the My Apple ID website (**http://appleid.apple.com**) and clicking the **Create an Apple ID** button on the homepage. You'll then be asked to create an Apple ID (**firstname.lastname @me.com**) and password, set a security question and answer, and enter your address, contact details and date of birth. Apple will then check whether or not the Apple ID you've chosen is available or not.

02 Update Apple ID details

If you already have an Apple ID, update your details at any time by going to the My Apple ID website and selecting **Manage Your Apple ID** to log in. You'll be greeted with a list of options on the left side of the page. These enable you to add email addresses, change your password and security settings, update addresses and more. Let's now look at these options in detail.

03 Name, ID and email addresses

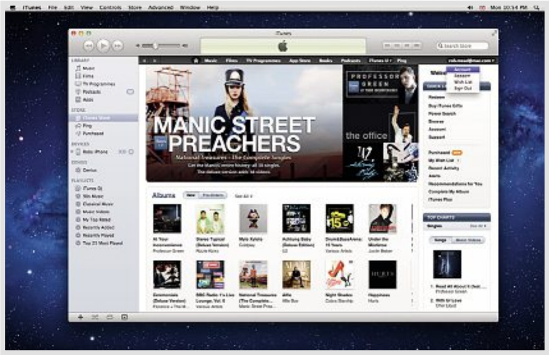
This is where you identify yourself to Apple and then associate your Apple ID with any email addresses you use. If you use a dotmac (.mac) or dotme (.me) address this should be verified automatically, otherwise Apple will send you a verification email to any new addresses you specify. The only thing you can't change is your main Apple ID – this is set in stone when you first create it.

04 Password and security

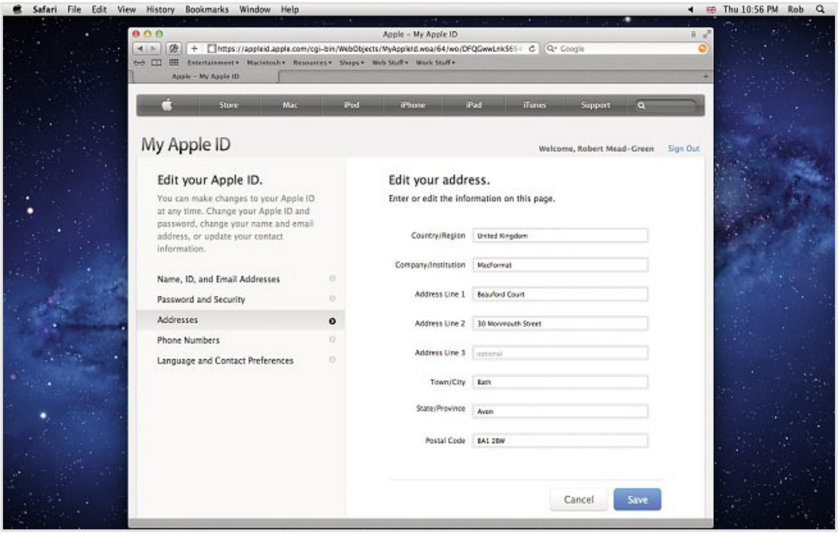
This section enables you to change the password associated with your Apple ID. You can also use a preset security question with a personalised answer in case you lose your Apple ID or password, or create a custom question and answer of your own.

05 Addresses

It's a good idea to keep the address associated with your Apple ID up to date for obvious reasons: you wouldn't want your shiny new MacBook Air being delivered to the wrong address, would you? You can specify more than one shipping address – something that could come in handy if you want to send a gift to a relative or friend, or are lucky enough to own a second home.



Your Apple ID is your key to securely purchasing items from within iTunes.



My Apple ID

Edit your Apple ID.

You can make changes to your Apple ID at any time. Change your Apple ID and password, change your name and email address, or update your contact information.

Name, ID, and Email Addresses
Password and Security
Addresses
Phone Numbers
Language and Contact Preferences

Edit your address.

Enter or edit the information on this page.

Country/Region: United Kingdom
Company/Institution: MacFormat
Address Line 1: Beauford Court
Address Line 2: 30 Monmouth Street
Address Line 3: optional
Town/City: Bath
State/Province: Avon
Postal Code: BA1 2BW

Keep your address details up to date on the Apple ID website to avoid potential delivery errors.

QUICK TIP

If you've signed up to iCloud, you choose your synchronisation options by selecting System Preferences > iCloud from the menu. Options run the gamut of Apple apps and features – find out more on page 66.

06 Phone numbers

If there's ever a problem with an Apple order or repair, it's good to know that Apple can contact you by phone. You can set different numbers for daytime (including any phone extension you have), evening and mobile calls if you wish.

07 Language and contacts

Aside from enabling you to set your default language of choice, this section is a great way to sign up or sign off from the various newsletters and emails that Apple likes to send out. You can, of course, change your preferences at any time by using My Apple ID.

08 Update payment details

You'll notice that the My Apple ID site doesn't give you the option to add a credit or debit card to your account so you can buy items on the online Apple Store or from *iTunes*. The easiest way to do this is to open up *iTunes* on your Mac and select **iTunes Store** from the **Store** menu on the left of the main window.

09 Sign into iTunes

In the main iTunes Store window, select **Sign In** on the top menu bar at the right, enter your Apple ID and password. Once you've signed in, you'll notice a little down arrow next to your Apple ID. Select it, then click on the **Account** option from the floating window that appears.

10 Choose payment options

You should now see your Account page. Select the **Edit** button from the **Payment Information** entry and another window will open up. From here you can select a payment option. Enter the relevant payment details and you're set. Your new card details should be automatically updated for the online Apple Store too. ●

Your Mac set-up isn't complete without a printer, and these days you can get a really good one for very little money.

Set up a printer in OS X Lion

We show you how to take advantage of OS X Lion's built-in printer support

>> KEY INFO

DIFFICULTY
Easy

TIME NEEDED
30 minutes

WHAT YOU'LL NEED
A Mac running Lion, a printer

The printer is an essential part of everyone's Mac setup. Whether you regularly print dozens of brochures for your small business or just the occasional letter to your bank manager, it's wise to have a printer handy. They're coming down in price too. You can get a really good multifunction inkjet, which also scans and photocopies, for under £200. If your needs are modest, a simple desktop inkjet print-only printer can be bought for under £30.

Virtually all modern printers come supplied with a disc containing the necessary software, but this can prove problematic in use. If the printer has sat on the shop shelves for a while, or spent a long time in the distributor's warehouse, the software on the disc could be out of date. Worse still, the drivers might not be Lion-compatible. It's surprising how often this happens.

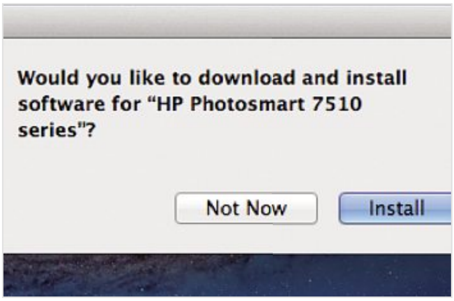
Thankfully, the latest printer and scanner software from the world's leading manufacturers is included in OS X. You just connect your device. And if further software is needed, it's downloaded automatically as part of the creation of the printer/scanner queue. For a list of all the printers and scanners currently covered (which is not an exhaustive list of every device that's compatible with OS X), go to **http://support.apple.com/kb/HT3669**. If your printer is reasonably recent and from a leading manufacturer, chances are it's here.

> *"If your needs are modest, a simple desktop inkjet print-only printer can be had for under £30"*

If you're considering buying a brand-new model that isn't listed here yet, as long as it's Mac-compatible and from a manufacturer that's on Apple's list, chances are its drivers will soon be included as a software update. In this case, there should be no problems using the bundled CD or (better still) software downloaded directly from the manufacturer's website.

Ian Osborne

HOW TO / Get your printer up and running


Would you like to download and install software for "HP Photosmart 7510 series"?
Not Now
Install

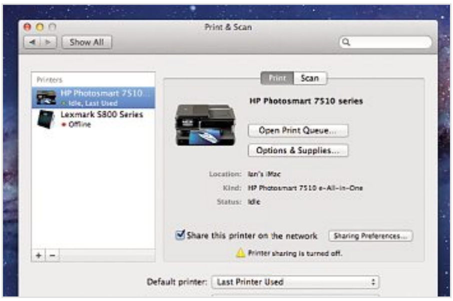
01 Update software

Before you start, run *Software Update* and install any available upgrades. Make sure your printer is plugged in, the ink cartridges are fitted and paper tray filled. Now connect your printer. You're invited to install any additional software, and a print queue is created.

HP Photosmart 7510

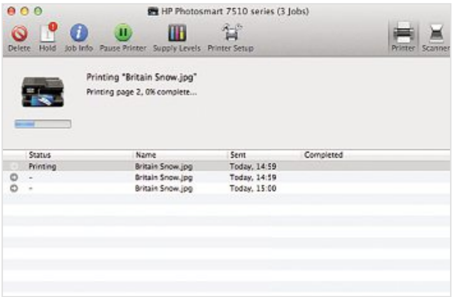
02 Network printing

To connect your printer to your network instead of directly to your computer, follow the printer's instructions for connecting via Ethernet or Wi-Fi. If you're connecting wirelessly, you may need to input your router's WEP/WPA code, or connect through USB first.


Print & Scan
Show All
Printers
HP Photosmart 7510
Lexmark S800 Series
Print
Scan
HP Photosmart 7510 series
Open Print Queue...
Options & Supplies...
Location: Ian's iMac
Kind: HP Photosmart 7510 e-All-in-One
Status: Idle
Share this printer on the network
Sharing Preferences...
Printer sharing is turned off.
Default printer: Last Printer Used

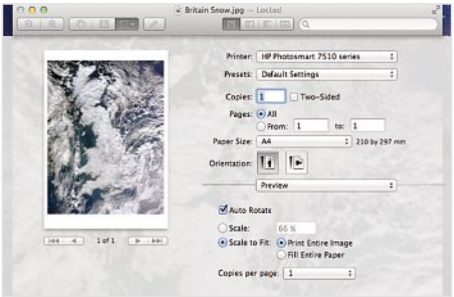
03 Preference pane

To add new printers, open *System Preferences*, choose the **Print & Scan** pane and press the '+' button. All printers connected to the Mac or its network are listed, and can be added to your list of available printers. You can also remove printers you no longer need.


HP Photosmart 7510 series (3 Jobs)
Delete
Hold
Job Info
Pause Printer
Supply Levels
Printer Setup
Printing "Britain Snow.jpg"
Printing page 2, 0% complete...
Status
Name
Sent
Completed
Printing
Britain Snow.jpg
Today, 14:59
Britain Snow.jpg
Today, 14:59
Britain Snow.jpg
Today, 15:00

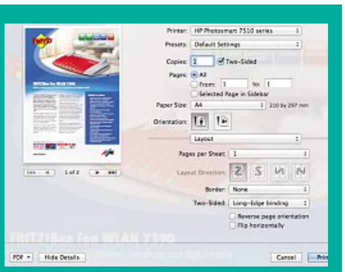
04 Print queue

When printing, your printer appears in the Dock. Open it to get the **Print Queue** (or open through the preference pane). You'll see a list of current print jobs. You can pause printing, delete specific items, check how much ink you have left and manage your printer setup.


Britain Snow.jpg — Locked
Printer: HP Photosmart 7510 series
Presets: Default Settings
Copies: 1
Two-Sided
Pages: All
Paper Size: A4
210 by 297 mm
Orientation:
Preview
Auto Rotate
Scale to Fit
Print Entire Image
Fill Entire Paper
Copies per page: 1
1 of 1

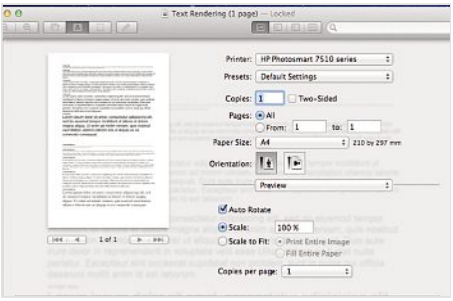
05 Print preview

Press ⌘+P or select **Print** from the **File** menu and you get a print dialog window. The one shown here is from Apple's OS X software; third-party apps may vary. To switch between simple and comprehensive options, press **Show/Hide Details**, bottom-left.


Printer: HP Photosmart 7510 series
Presets: Default Settings
Copies: 1
Two-Sided
Pages: All
Paper Size: A4
Orientation:
Layout
Pages per Sheet: 1
Layout Direction:
Border: None
Two-Sided: Long-Edge binding
Reverse page orientation
Flip horizontally
PDF
Hide Details
Cancel

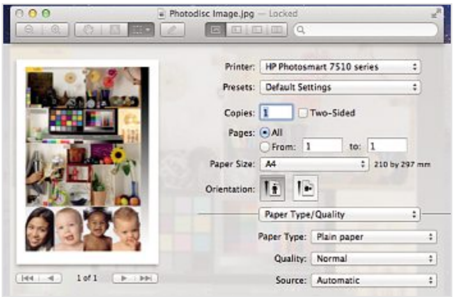
QUICK TIP

Many modern printers include a Duplex function. This allows you to print on both sides of the paper. To use Duplex, check the box labelled **Two-Sided**. Using the central pull-down menu, select **Layout** and you can change your Duplex settings.


Text Rendering (1 page) — Locked
Printer: HP Photosmart 7510 series
Presets: Default Settings
Copies: 1
Two-Sided
Pages: All
Paper Size: A4
210 by 297 mm
Orientation:
Preview
Auto Rotate
Scale: 100 %
Scale to Fit
Copies per page: 1
1 of 1

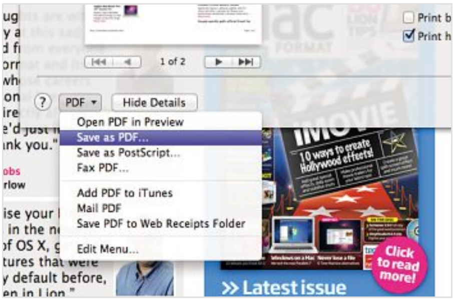
06 Print options #1

If you have more than one printer connected to your Mac or its network, select which to use via the **Printer** pull-down menu. The **Presets** menu lets you select and add to a range of preset menu options – useful if you need custom settings for a specific job.


Photodisc Image.jpg — Locked
Printer: HP Photosmart 7510 series
Presets: Default Settings
Copies: 1
Two-Sided
Pages: All
Paper Size: A4
210 by 297 mm
Orientation:
Paper Type/Quality
Paper Type: Plain paper
Quality: Normal
Source: Automatic
1 of 1

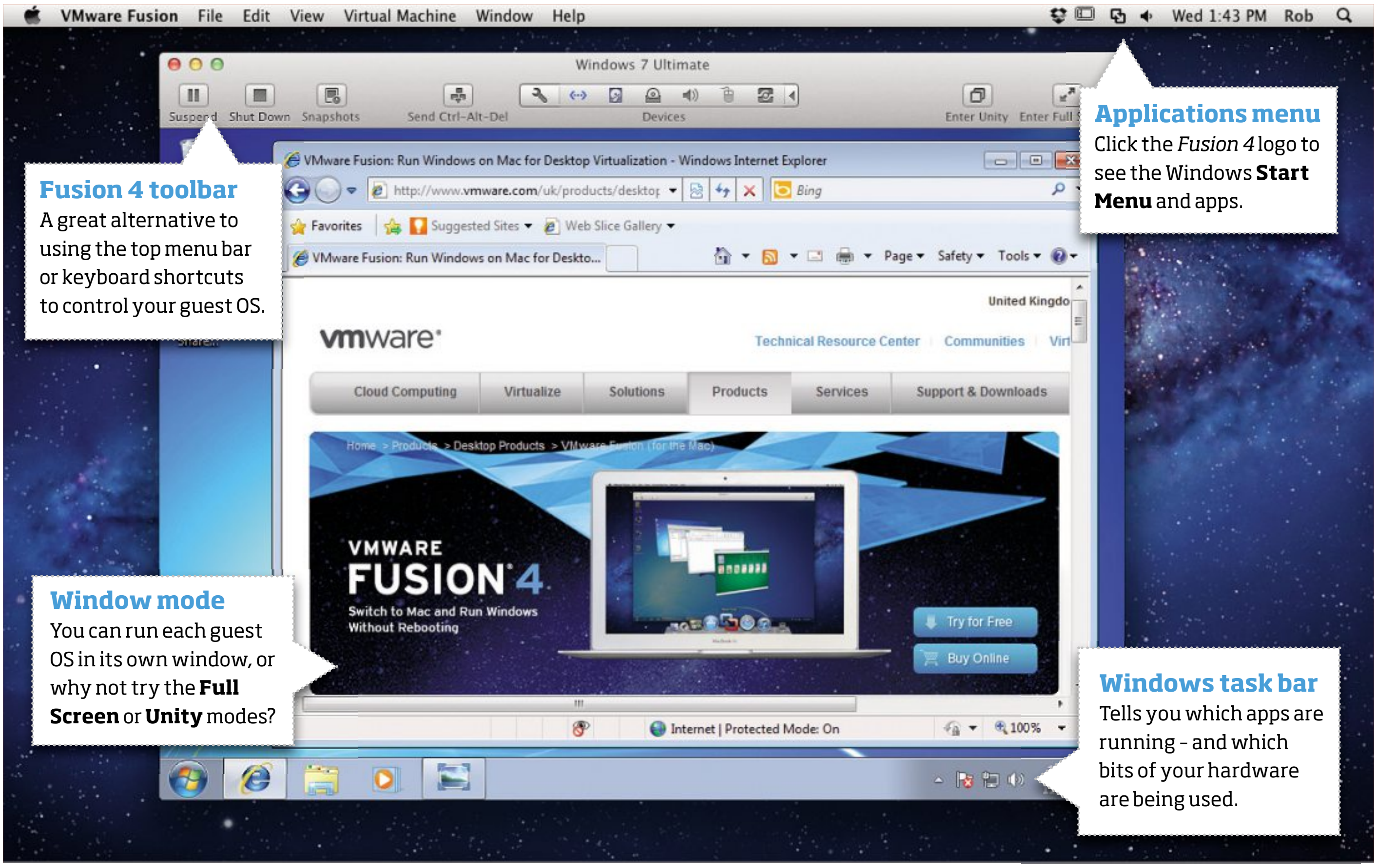
07 Print options #2

Other options in the print dialog include number of copies, printing specific pages, scaling to shrink, enlarge or fit your job on the page, and changing the paper size. Experiment with the central pull-down, especially its **Paper Type/Quality** settings (great for photos).


1 of 2
PDF
Hide Details
Open PDF in Preview
Save as PDF...
Save as PostScript...
Fax PDF...
Add PDF to iTunes
Mail PDF
Save PDF to Web Receipts Folder
Edit Menu...
Latest issue

08 Print to PDF

You can also create a PDF, open it in *Preview*, save it out, fax it (if you have fax capabilities), add it to *iTunes* or create an email with the PDF as an attachment. It's great if you need to share a document with someone who might not have the associated software.


VMware Fusion
File
Edit
View
Virtual Machine
Window
Help
Wed 1:43 PM
Rob
Windows 7 Ultimate
Suspend
Shut Down
Snapshots
Send Ctrl-Alt-Del
Devices
Enter Unity
VMware Fusion: Run Windows on Mac for Desktop Virtualization - Windows Internet Explorer
http://www.vmware.com/uk/products/desktop
Bing
Favorites
Suggested Sites
Web Slice Gallery
Page
Safety
Tools
United Kingdom
vmware
Technical Resource Center
Communities
Cloud Computing
Virtualize
Solutions
Products
Services
Support & Downloads
VMWARE FUSION 4
Switch to Mac and Run Windows Without Rebooting
Try for Free
Buy Online
Internet | Protected Mode: On
100%

Fusion 4 toolbar
A great alternative to using the top menu bar or keyboard shortcuts to control your guest OS.

Applications menu
Click the *Fusion 4* logo to see the Windows **Start Menu** and apps.

Window mode
You can run each guest OS in its own window, or why not try the **Full Screen** or **Unity** modes?

Windows task bar
Tells you which apps are running – and which bits of your hardware are being used.

Create a virtual machine using VMware Fusion 4

Run Windows, Linux, Lion or other guest operating systems on your Mac

>> KEY INFO

DIFFICULTY
Beginner

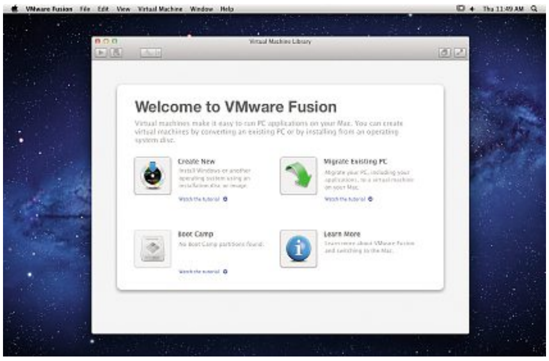
TIME NEEDED
1-2 hours

WHAT YOU'LL NEED
Intel-based Mac, OS X 10.7 Lion, VMware Fusion 4 (a 30-day trial version is available from **www.vmware.com**), a guest operating system

One of the best things about owning an Intel Mac is that it enables you to run guest operating systems (also known as virtual machines) right alongside your Mac OS. This might seem strange if you've used a Mac all your life, but if you've recently switched to the Mac from a PC – or need to use Windows-only software – it can be a real benefit. With *VMware Fusion 4* you don't need to reboot your Mac to do this. You can fire up your guest OS any time you like from within OS X.

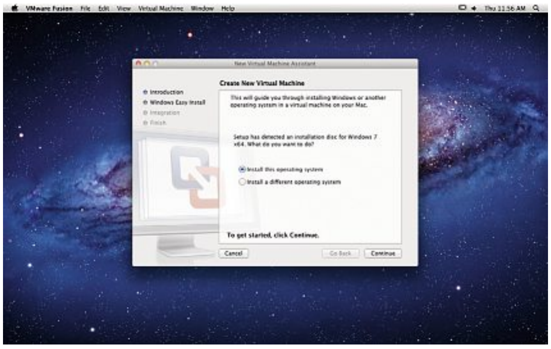
VMware Fusion certainly has a lot to commend it: it's the default choice for many of the world's biggest companies and supports over 200 guest OSes, including Windows and various versions of Linux. You can even install another copy of OS X Lion as a guest OS. Included in the 200 new features of *VMware Fusion 4* is a new, improved Unity mode, which enables you to run Mac and guest OS apps seamlessly alongside each other. It's even easy to share files and folders between them. Finally, *VMware Fusion 4* includes a 12-month subscription to *McAfee VirusScan Plus*.

Rob Mead-Green


Virtual Machine Library
Welcome to VMware Fusion
Create New
Migrate Existing PC
Boot Camp
Learn More

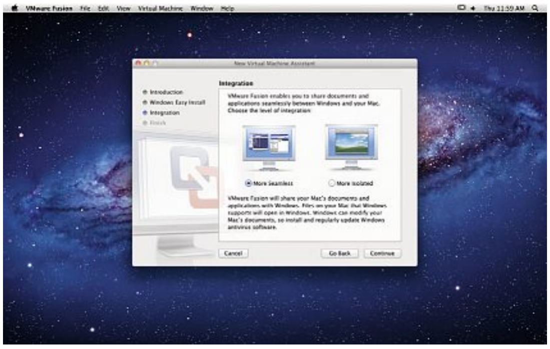
01 Getting started

Fire up *VMware Fusion 4* and you'll see an option screen. You can choose to install a guest OS from an optical disc or disk image (**Create New**), migrate content from an existing PC or take control of an existing Boot Camp partition. We'll choose the first option with a copy of Windows 7 Ultimate. To find out more about each option, click the hyperlink to watch a tutorial video.



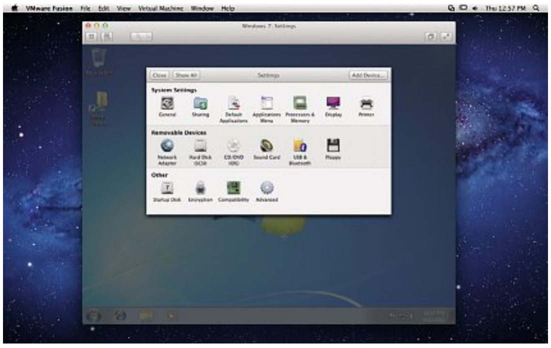
02 Install Windows 7

VMware Fusion 4 detects the presence of a guest OS install disc in your drive, although you can point it to a disc image if you wish. Use its **Virtual Machine Assistant** to enter your login details, password and Windows Product Key if you have one. It then installs the drivers you need to get your guest OS up and running, as it has here.



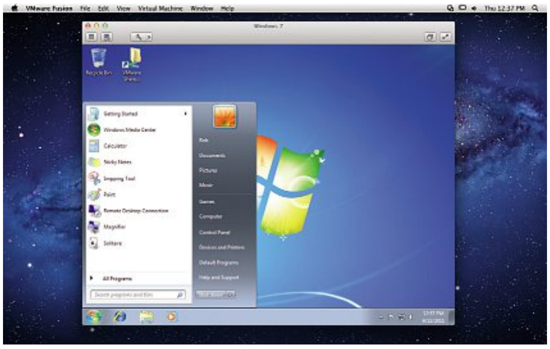
03 Seamless vs Isolated

Now you can decide how deeply integrated your guest OS will be. **Seamless** mode allows the guest OS to access files and folders on your Mac. **Isolated** keeps the two separate – handy if you're worried about security or just want to ensure that apps like *Windows Media Player* don't try to take control of any media you have.



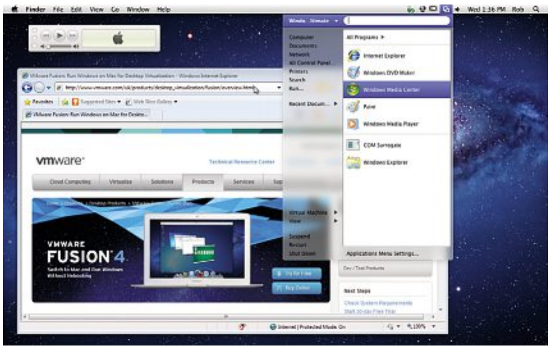
04 System settings

The drivers *VMware* provides enable each guest OS to harness certain hardware features of your Mac. The default settings will be fine for most users, although you can tweak individual settings using the **Settings** control panel (⌘+E). You can even encrypt each guest OS and its associated files if you wish.



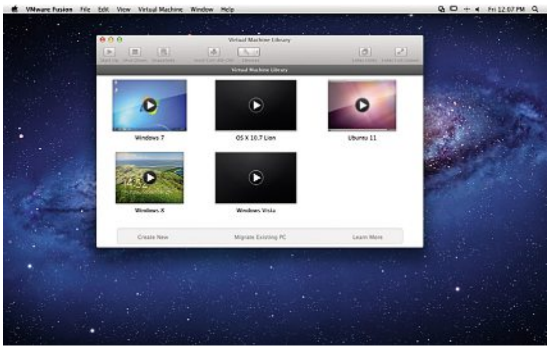
05 Windows within windows

Once Windows 7 (or any other guest OS) is installed it appears in its own window. It's a good way to get used to the idea of running a guest OS, with features like the Windows Start Menu appearing in familiar locations. Click inside the window to let Windows 7 take control of your mouse and keyboard. To return to OS X, press ⌘+ctrl.



06 Unity mode

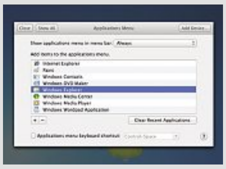
Once you're more comfortable running a guest OS on your Mac, why not try *Fusion 4*'s **Unity** mode? It enables your Mac and Windows apps to be run seamlessly alongside each other on the OS X desktop. This is handy if you want to surf the web using *Internet Explorer* while listening to songs in the Mac version of *iTunes*.



07 Virtual Machine library

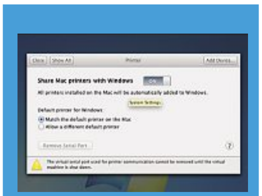
Running guest operating systems on your Mac can be rather addictive! You might soon find yourself running Linux or even another instance of OS X Lion on your Mac. Switch between them using *Fusion 4*'s **Virtual Machine Library** (go to Window > Virtual Machine or hit ⌘+⇧+L) and select **Play** on the guest OS you want to run. ●

>>EXPERT TIP



Application settings

When you run a guest OS alongside OS X, you can easily decide which apps perform certain tasks with the **Default Applications** option in *Fusion 4*'s **Settings** control panel (⌘+E). This enables you to choose between *Safari* or *Internet Explorer* for web surfing, for example, or to ensure that the OS X version of *Mail* always opens when creating or reading your emails, rather than the Windows equivalent. The **Settings** panel also enables you to choose which Windows apps you want to appear in the **Applications Menu** in *Fusion's* top menu bar. This makes it much easier and quicker to launch them in **Unity** or single mode, for example.

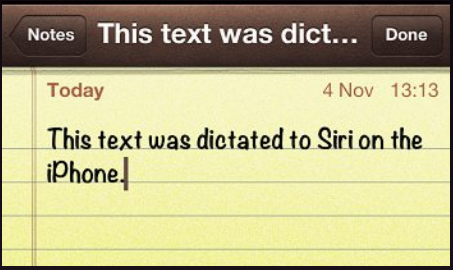


>>QUICK TIP

To print out a document from a guest OS, simply go to VMware Fusion 4 > Settings > Printer and switch the big button slider to the **On** position. Then either choose the OS X default or select any other available printer that you wish to use.

Words: Alan Stonebridge

10 top tips for



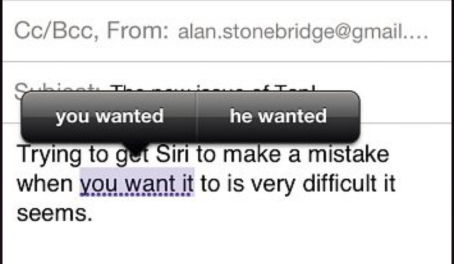
Today 4 Nov 13:13

This text was dictated to Siri on the iPhone.

Dictate to Siri

Why type when you can speak?

01 Commands and questions aren't the only ways to put Siri to work. Wherever you can type a long passage of text, tap the microphone key (left of the spacebar) to dictate instead. Siri listens for a bit longer in this mode. Tap the **Done** button when you're finished. If it stops listening prematurely, just tap the mic key to continue. If you forgot something, move the text cursor to the correct spot, tap the mic and Siri will insert text at that specific point.



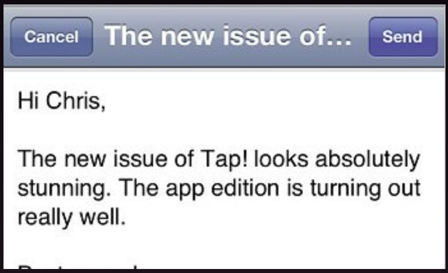
Cc/Bcc, From: alan.stonebridge@gmail....

Trying to get Siri to make a mistake when you want it to is very difficult it seems.

Fix mistakes

Correct Siri when it gets it wrong

02 By now, you'll know that Siri doesn't always get things right. It's particularly sensitive to slurred or mumbled words. Sometimes, Siri will recognise that it probably didn't understand what you said and underline those words and phrases in blue. Tap them to see likely alternatives. Any word, not just those underlined, can be tapped to type over it; or tap the mic key to dictate a replacement for what's selected instead of repeating everything.



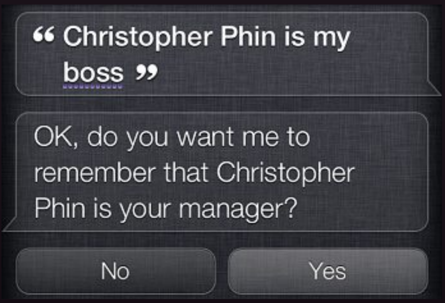
Hi Chris,

The new issue of Tap! looks absolutely stunning. The app edition is turning out really well.

Add grammar

Punctuate your dictation

03 Siri doesn't make assumptions about punctuation and grammar, but it recognises commands for inserting new paragraphs, commas, full stops and many other grammatical constructs. Sadly, these aren't recognised when composing emails outside of *Mail*. Work around this by starting to compose a message, but provide only the recipient and subject. Next, tap the message to open it in *Mail*. The text cursor will be in the body, so tap the mic key to start dictating. In this mode, Siri responds to grammatical instructions. See **http://tinyurl.com/646sr44** for more.



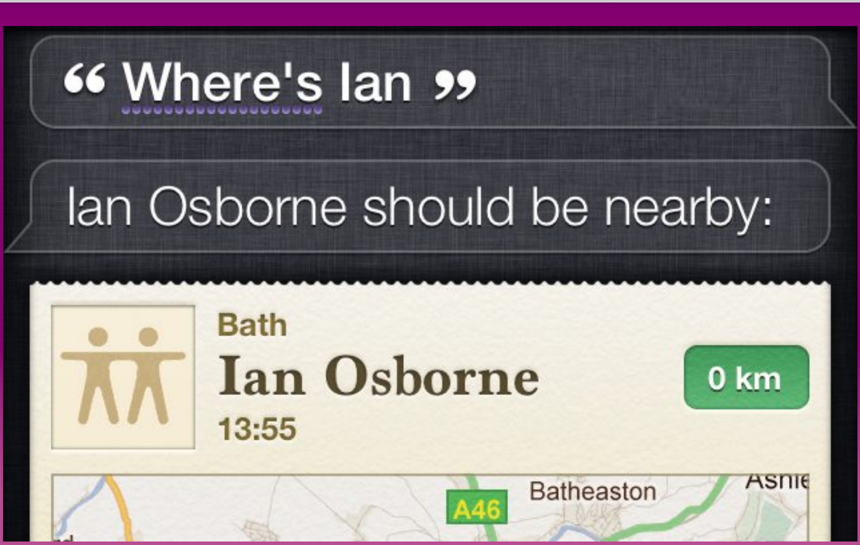
“Christopher Phin is my boss”

OK, do you want me to remember that Christopher Phin is your manager?

Set relationships

Personalise the conversation

04 In the *Contacts* app, find your record and edit it. Swipe all the way to the bottom of the form, add a field and pick **Related People** from the list. Tap the left side of the field that appears on the form and you'll be presented with a list of relationships. Siri recognises these connections to you, allowing it to understand personalised requests, such as “Send a message to my boss to say the train has broken down so I'll be late.” You can even establish these relationships with spoken commands, such as “My father is...”.



“Where's Ian”

Ian Osborne should be nearby:

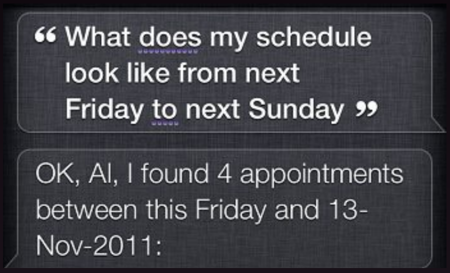
Arrange to meet

Let Siri find your friends for you on the map

05 You were planning on a quiet weekend, but a friend just called encouraging you to meet them at a cool new place they've found. They don't have to send their location using the *Maps* app to show you where it's at, provided you've already linked up with Apple's *Find My Friends* app (Free, **http://itun.es/iLX3GV**). When you ask Siri where that person is, it retrieves the information from the app and shows their location on a map, along with an approximation of the address so you can pop over and be there in no time.

using Siri

Tell Siri what it wants to hear and it will be more likely to do your bidding

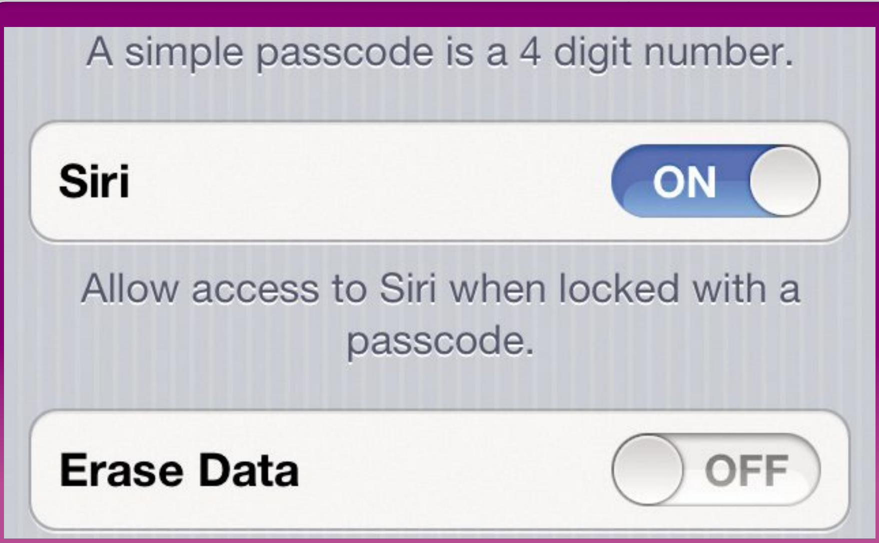

“ What does my schedule look like from next Friday to next Sunday ”

OK, Al, I found 4 appointments between this Friday and 13-Nov-2011:

Schedule events

Organise your diary

06 Setting up calendar events is one of Siri's most useful features, but its scheduling abilities are more sophisticated than that. You can check your availability with phrases like "Do I have anything on my calendar next July?" and "What does my day look like next Friday?" If you don't check your schedule, Siri will warn you about any potential overlaps that might exist. It only explicitly asks if you still want to add the new event. However, it will take into account the context for further spoken commands, so you can tell it: "Change the time." Alternatively, if it's the existing event that you want to change, commit the new one to your calendar, then say something like: "Change my 5pm meeting to 4pm."


A simple passcode is a 4 digit number.

Siri ON

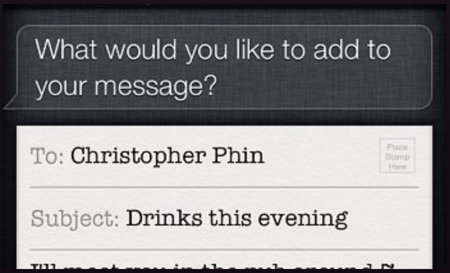
Allow access to Siri when locked with a passcode.

Erase Data OFF

Security

Prevent tricksters and strangers from using Siri

10 You can prevent access to your apps and information by locking your iPhone with a passcode. Still, Siri can answer questions, reassign relationships and, most worrying of all, send messages without you entering it. You can turn off access to Siri when the phone is locked to stop practical jokes by your friends - or strangers if your phone is lost. In the **Settings** app, go to General > Passcode Lock, enter the code, then flick the Siri switch to off. Siri remains accessible when the phone is unlocked.


What would you like to add to your message?

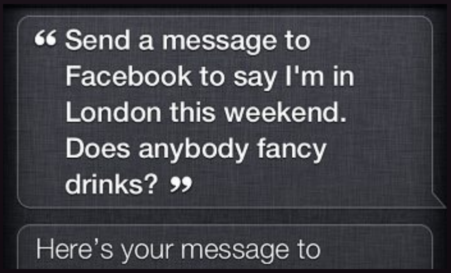
To: Christopher Phin

Subject: Drinks this evening

Add to an email

Pick up where you left off

07 You might want to add something to a note or email after Siri stops listening. Say "Add" to append where you left off. If you are using the Home button or raise-to-speak method to talk to Siri, you can't use instructions like "new paragraph". Nor can you tell it where to add text. To overcome this, tap the preview to open the item in its corresponding app. Use the mic button to give further dictation. It will be inserted at the cursor's position.

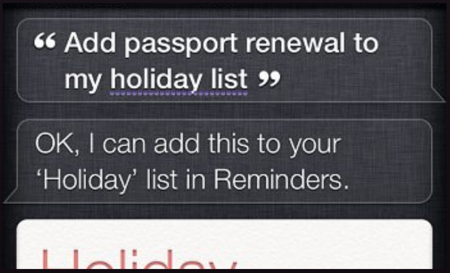

“ Send a message to Facebook to say I'm in London this weekend. Does anybody fancy drinks? ”

Here's your message to

Get social with Siri

This tip works with Twitter too

08 Siri can't interact with Facebook directly, but you can set things up to post status updates just by speaking. On the Facebook website, in **Account settings**, click **Mobile** on the left and follow the instructions to set up text messaging. Create a new contact on your iPhone with 'Facebook' as its name and set its mobile number to the text messaging one Facebook provides. Now you can tell Siri to "Send a message to Facebook".


“ Add passport renewal to my holiday list ”

OK, I can add this to your 'Holiday' list in Reminders.

Make lists

Add to pre-existing reminders

09 Although Siri can't create new lists in the *Reminders* app, it can add to existing ones as things spring to mind. Say something like: "Add passport renewal to my holiday list", substituting the list's name followed explicitly with 'list' to give context. Be wary of including the word 'list' in a list's name; Thankfully, if it recognises you're adding to a list but isn't sure which one, it'll prompt you to choose from those available.

11 Apple gadgets *that time forgot*

Words: Rob Mead-Green

If you think the iPad and iPhone are amazing, just wait until you're reminded of these surprising blasts from the past…

All around Apple's Cupertino campus there are people working on the Next Big Thing: it could be the iPhone 5 or an iPad 3, a proper Apple TV or a new kind of Mac. It may even be something you could never imagine. And that happens all day, every day. And it's been going on since Apple was founded in the 1980s.

Of course, not all of the products Apple has come up with over the years have been successful. For every iPhone there's been a G4 Cube. Or even a Flower Power iMac come to that. But it's by experimenting with new ideas, coming up with different kinds of products, and learning from each failure that has made Apple the company it is today. It's only by delving into its past that we can understand its present and future. As Apple proudly declared ahead of the iPhone's launch in 2007: the first 30 years were just the beginning.

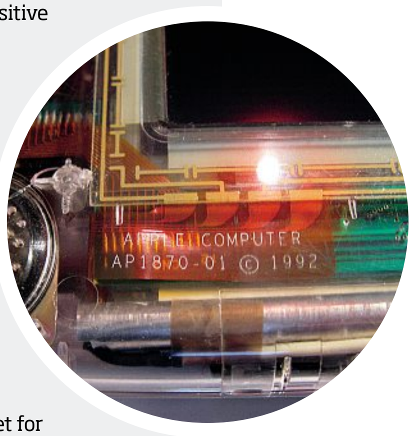
Here is a selection of some amazing Apple gadgets that time forgot: touch-sensitive tablets that are obvious precursors to the iPad, portable, internet-connected phones and pioneering digital cameras. There's even a games console lurking in there somewhere… one thing's for sure – there are plenty of surprises in store.

#1 Touch tablets

PRODUCT INFO

Name: Apple Newton Bic (codename), Apple Cadillac (codename)
Price: Not applicable
Description: Pen-based portable tablets
When: 1985-1997
Modern equivalent: Apple iPad

We all know that Apple was working on an iPad-style tablet long before the iPhone arrived in 2007, but as far back as 1992-93? Surely not, right? But that's exactly what Apple was thinking about when it came up with two touch-sensitive tablets, codenamed 'Bic' and 'Cadillac', running the Newton OS. The Bic was letter-sized and featured two PCMCIA cards, a removable battery and built-in microphone and speaker. The Cadillac (pictured) was similar, but had a smaller display. According to Jim Abeles, who owns both Bic and Cadillac prototypes, Apple eventually dropped the tablets because it couldn't find a market for them. How times have changed.



#2 Printers

PRODUCT INFO

Name: Apple ImageWriter, LaserWriter, StyleWriter
Price: From $675 (£428)
Description: Dot-matrix printer, laser/inkjet printer
When: 1985-1997
Modern equivalent: All-in-one colour printer/ copier/scanner

The company that kick-started the desktop publishing revolution in the 1980s also made printers. It's an idea that only seems surprising in retrospect. At the time you could barely move for the assorted Apple ImageWriters and LaserWriters, many of which were used to churn out pages from programs like *Aldus PageMaker*. ImageWriters, using dot-matrix printing technology, arrived first in 1984, with LaserWriter laser printers appearing a year later. Apple's first consumer-oriented inkjet, the StyleWriter, arrived in 1993. Like a lot of other products, Apple's entire printer range fell victim to Steve Jobs' austerity cuts on his return in 1997.

LaserWriter 12/640 PS

A ghost of Apple printers past - the LaserWriter 12/640 PS.

Color OneScanner 1200/30

The 1996 Color OneScanner 1200/30 had an impressive spec for the time, including OCR-to-HTML conversion.

#3 Scanners

PRODUCT INFO

Name: Apple Scanner, Apple OneScanner
Price: Unknown
Description: A4 flatbed scanner
When: 1988-1996
Modern equivalent: All-in-one colour printer, copier, scanner

Hand in hand with the desktop publishing revolution and Apple-badged printers were these: desktop scanners that enabled designers, photographers and other creative types to capture images and text and then use them in their *PageMaker* pages. The original Apple Scanner made its debut in 1988 – an A4 flatbed model that was capable of capturing 4-bit images in up to 16 shades of grey and took around 20 seconds to complete a full scan. The first colour model, the ColorOneScanner, made its debut four years later. Apple was still selling scanners when Steve Jobs arrived back in 1997, but by then its days were numbered: the last one to roll off the production line was the Color OneScanner 1200/30 in 1996.

#4 Wi-Fi

PRODUCT INFO

Name: Apple AirPort
Price: $199 (£126)
Description: 802.11b Wi-Fi base station
When: 1999-2003
Modern equivalent: Apple AirPort Extreme/ Apple Time Capsule

Famous for being the 'one more thing' revealed by Steve Jobs during his Macworld Expo keynote in 1999, the AirPort sparked a wireless revolution that continues to go from strength to strength to this day. Although Wi-Fi technology already existed, it was too expensive and esoteric for most people to get their heads around. That all changed when Apple challenged Wi-Fi co-creator Lucent to come up with a sub-$100 version that could be included as an optional extra in the first-gen iBooks Apple was working on. PC-friendly versions of the technology eventually arrived a year later, but by then history had already been made.

Apple's AirPort technology wowed the world when it made its debut in 1999.

PiPP!N
katz media KMP 2000

The Pippin - an Apple-made games console that's seen as one of the biggest tech flops of all time.

#5 Games consoles

Cast your mind back to the great console wars of 1995 and what do you think of? Sony Playstation? Certainly. Nintendo 64? Definitely? Sega Saturn? Sure. The, erm, Pippin? Not really... The charmingly named machine was a desperate attempt to cash in on the gaming boom. It was a PowerPC-based console that Apple built for Bandai in the US/Japan and Katz Media in Europe, but it was horribly hobbled from the off, being vastly underpowered, overpriced and lacking in any sort of credible software. By the time production stopped in 1997, Bandai had managed to sell a paltry 42,000 units, while Katz had offloaded 5,000.

PRODUCT INFO

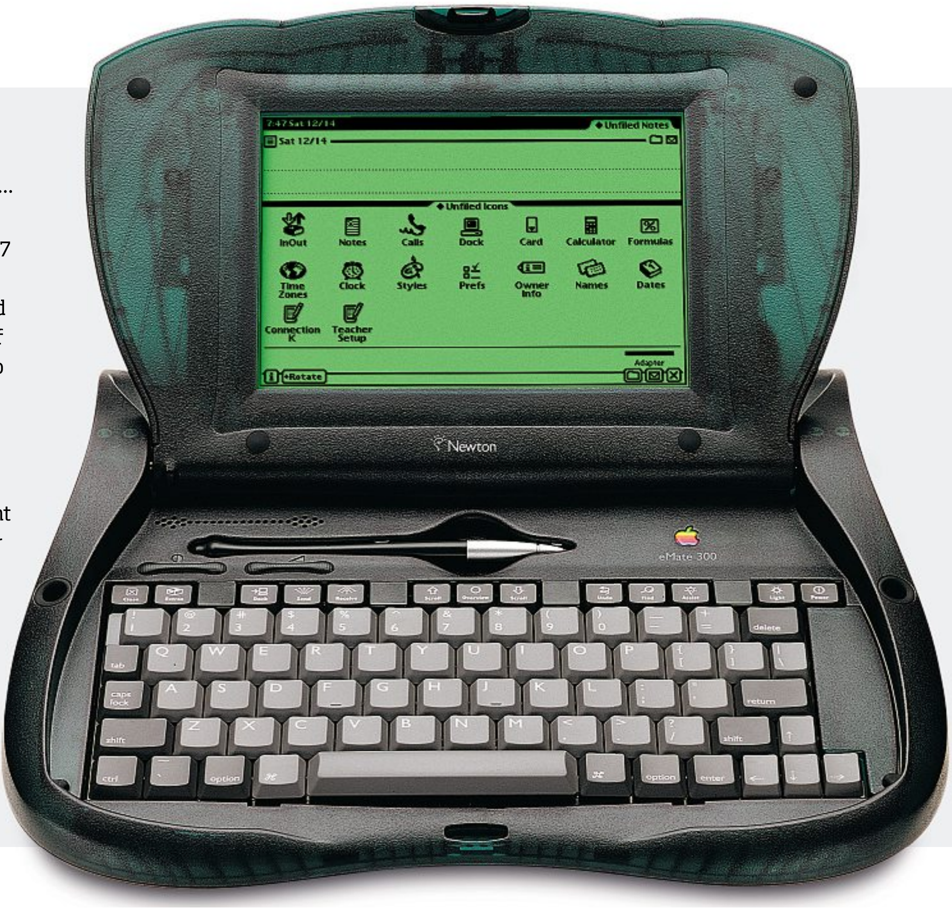
Name: Apple Bandai Pippin Atmark/ Katz Media Pippin
Price: $599 (£379)
Description: Games console / low-cost computer
When: 1995-1997
Modern equivalent: Sony PlayStation 3, Microsoft Xbox 360

#6 Netbooks

Designed as a tough, compact 'computer' for schools, the 1997 eMate 300 is arguably the ancestor of the netbook PC and MacBook Air, but was got rid of by Steve Jobs just one year into its lifespan. The eMate 300's big standout feature is its innovative industrial design, which includes a curvy 'clamshell' body, carrying handle and the use of translucent plastics. Although the stock model only came in one colour – aquamarine – several prototypes were also produced in red, orange, red, purple and clear plastic. Often credited to Jonathan Ive, the eMate 300 was actually designed by Thomas Meyerhoffer who was allowed to go 'hog-wild' by Apple executives (*Businessweek*, 1997). However, the eMate's legacy survived its untimely demise – its design clearly influenced the original iBook, which arrived in 1999.

PRODUCT INFO

Name: Apple eMate 300
Price: $800 (£316)
Description: Ultra-portable laptop/netbook
When: 1997-1998
Modern equivalent: 11-inch MacBook Air



#7 PDAs

Before the iPad, the iPhone, iPod touch, even before the Palm Pilot there was this: the world's first touchscreen PDA. First launched by Apple in 1993, the Newton MessagePad was in many ways ahead of its time. It introduced the idea of using a touch-sensitive screen and stylus to consumer devices and even included handwriting recognition, although it didn't work that well at first. The original Newton MessagePad didn't even include a way to sync the device with a Mac or PC. Luckily things steadily improved with each new iteration, while the Newtown operating system included features that are now familiar to us, such as a pop-up on-screen keyboard. Although it was eventually banished by Steve Jobs in 1998, the Newton MessagePad still has its fans. Smart, tough and beautiful, it arguably inspired the templates for the iOS devices and smartphones that we use today.

PRODUCT INFO

Name: Apple Newton MessagePad
Price: unknown
Description: Pen-based personal digital assistant (PDA)
When: 1993-1998
Modern equivalent: Ink handwriting recognition software, iPhone, iPad, iPod touch

Newton
2:18 Fri 2/23
Design Feedback
Business
Dori,
The design looks good.
Could you please add our
logo to the top left corner.
Thanks,
Kevin
Logo
Print Note
Fax
Beam
Mail
Duplicate
Delete
Fri 2/23
New
PQ
Names
Dates
Extras
Undo
Find
Assist
MessagePad 130

#8 Portable CD players

The PowerCD: Apple's answer to portable music, before the iPod.

PRODUCT INFO

Name: Apple PowerCD
Price: $499 (£316)
Description: Portable CD-ROM drive
When: 1993-1997
Modern equivalent: iPod

When Apple dropped the word 'Computer' from its name in 2007, it finally fulfilled an ambition it had been working towards for years. It wanted to grow beyond its computing origins and become a consumer electronics company, hence devices like the QuickTake digital camera and this, the PowerCD. Dreamed up by short-lived Apple design group Mac Like Things, the PowerCD was actually one of Apple's more successful attempts, remaining in Apple's line-up from 1993 to 1997.

It chiefly served as an external CD-ROM for the optical drive-less PowerBooks of the time, but could also be used as a portable music player by slotting batteries into its base and teaming it with a pair of AppleDesign Powered Speakers. It was also compatible with Kodak photo CDs, images from which could be viewed on the Mac using the PowerCD's built-in SCSI connector or on a TV using its video output. Although the PowerCD's slick design was Apple's own, the mechanics inside weren't: Philips, co-creator of CD technology alongside Sony, made them.

#9 Digital cameras

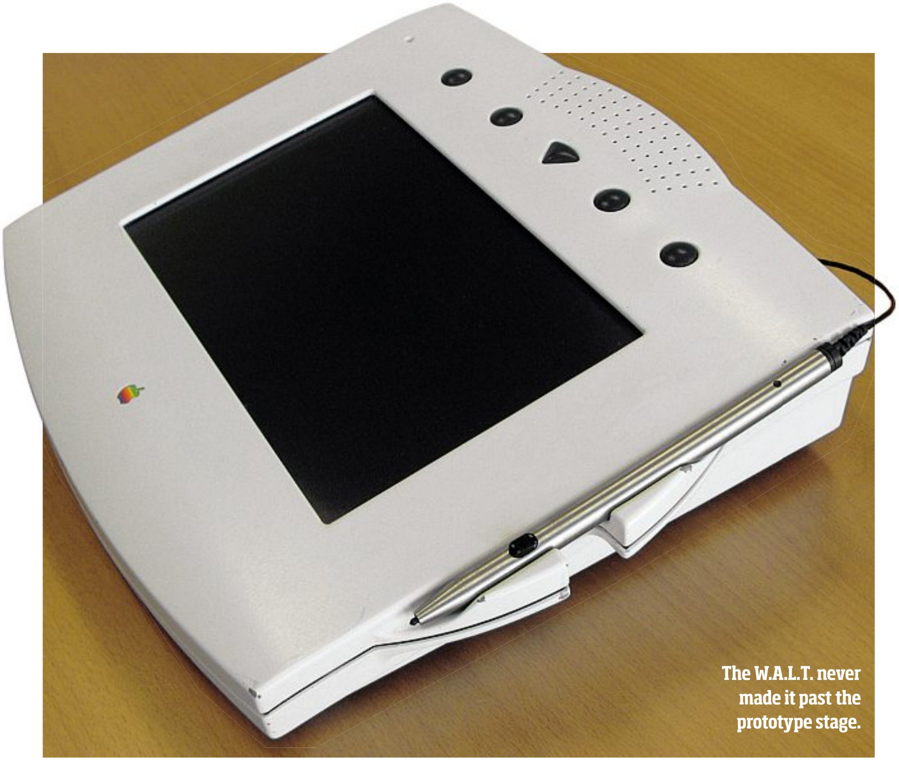
We may take digital photos for granted today, but back in the 90s, the technology was a frontier town full of all kinds of exciting possibilities – and Apple was at the very forefront. It became the first company to launch a consumer digital camera in the US in 1994 with the QuickTake 100. Built by Kodak, the binocular-style camera had a fixed lens and could store up to eight VGA-resolution images at a time on its 1MB of internal memory, with photos transferred to the Mac using a serial cable. The QuickTake 100 was followed by another Kodak-made model – the QuickTake 150 – and then the Fujifilm-made QuickTake 200 (pictured) but none of the cameras sold well, chiefly thanks to Apple's lack of photography heritage and stiff competition. Again, Steve Jobs canned the cameras when he returned to Apple in 1997.

PRODUCT INFO

Name: Apple QuickTake
Price: $749 (£474)
Description: Digital compact camera
When: 1994-1997
Modern equivalent: Digital camera in iPhone, iPod touch and iPad

QuickTake 200
TV-Fujinon Lens
f=5.7mm

The 1996 QuickTake 200 was based on Fujifilm's Fuji DS-7 and cost $600 (£380).



The W.A.L.T. never made it past the prototype stage.

#10 Portable phones

PRODUCT INFO

Name: W.A.L.T. (codename)
Price: not applicable (prototype)
Description: 1990-1993
When: pen-based portable communication tablet
Modern equivalent: iPhone, iPad

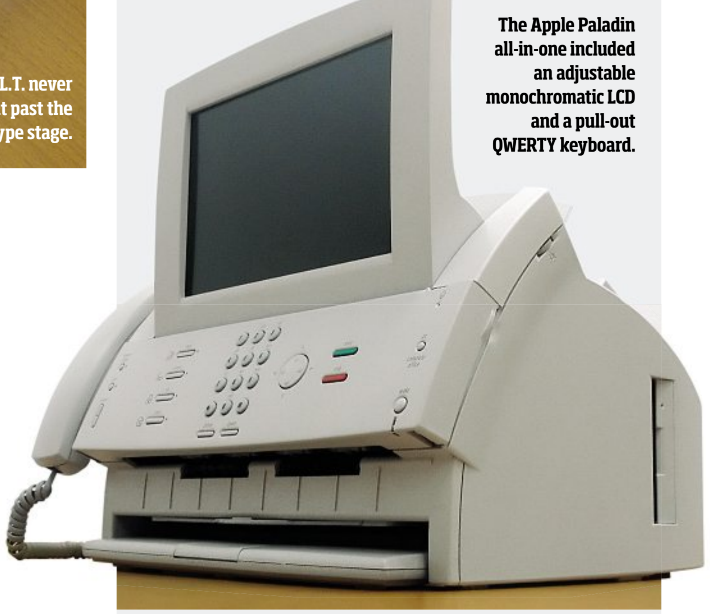
If Apple had launched the iPhone in 1990 instead of 2007, this is what it might have looked like. The W.A.L.T. – or Wizzy Active Lifestyle Telephone – was a portable communications tablet jointly developed by Apple and US phone network BellSouth. Key features include a touch-sensitive screen with stylus input, handwriting recognition and a built-in address book, message pad and fax machine. Sadly, the W.A.L.T. project was not to be. It mysteriously ground to a halt in 1993. ●

#11 All-in-ones

PRODUCT INFO

Name: Paladin (codename)
Price: Not applicable (prototype)
Description: 1993
When: All-in-one computer, scanner, fax machine and phone
Modern equivalent: Unknown

This was another attempt to marry computers with the world of telephone communications. This time the gadget appeared in the shape of an all-in-one Mac, phone, scanner and fax machine aimed at small businesses. The whole thing was controlled by an application called *Complete Office*, which enabled easy switching between its various modes.



The Apple Paladin all-in-one included an adjustable monochromatic LCD and a pull-out QWERTY keyboard.

Q&A

● HINTS & TIPS ● TROUBLESHOOTING ● EXPERT ADVICE ● ESSENTIAL INFO

>> MEET YOUR Q&A EXPERT

Whatever your Mac-related problem, from misbehaving MacBooks to withering wireless, Luis Villazon can help.

>> ASK LUIS A QUESTION

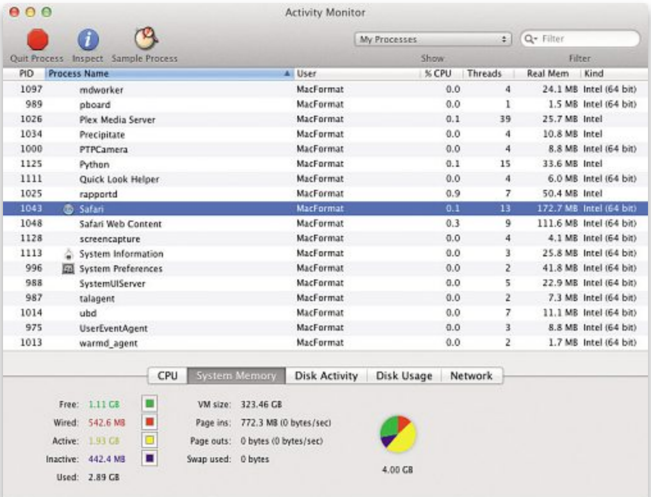
Got a problem with your Mac? Then why not send your queries to Luis at **macformat.helpline@futurenet.com** and see if he can help.

"Why is Safari sapping all my Mac's memory?"

Q Why is my version of *Safari* cumulatively hogging RAM? If I leave it on, then more and more RAM is taken up. Even if I only have one page open there will be more than 1GB taken up. If I quit *Safari* and reload that page, suddenly there will be less then 500MB taken up. What is the reason for this?

Sachin Sudera

A In general terms, this is called a memory leak. It's a class of bug where memory that is allocated for use by a program isn't released when the program finishes with it. So the pool available for other programs gradually shrinks, as OS X fences off more and more memory for use by the leaky program. *Safari* has suffered from memory leaks at least as far back as 2007 but they have hitherto been quite minor and not something you are likely to notice unless you never shut your Mac down or close *Safari*. The leak in *Safari 5.1* was rather more serious and apparently related to the sandboxing feature that hived web page rendering off to a separate process. On Macs with just 2GB of total system RAM, it could have a serious impact on overall performance of OS X. But you'll notice I say 'was'. By happy coincidence, as I began to write this answer, *Software Update* popped up to announced the 10.7.2 update, which includes *Safari 5.1.1*. Memory leaks are one of the bugs that were addressed in this patch and my very preliminary testing suggests that the situation does seem to have improved.



PID	Process Name	User	% CPU	Threads	Real Mem	Kind
1097	mdworker	MacFormat	0.0	4	24.1 MB	Intel (64 bit)
989	pboard	MacFormat	0.0	1	1.5 MB	Intel (64 bit)
1026	Plex Media Server	MacFormat	0.1	39	25.7 MB	Intel
1034	Precipitate	MacFormat	0.0	4	10.8 MB	Intel
1000	PTPCamera	MacFormat	0.0	4	8.8 MB	Intel (64 bit)
1125	Python	MacFormat	0.1	15	33.6 MB	Intel
1111	Quick Look Helper	MacFormat	0.0	4	6.0 MB	Intel (64 bit)
1025	rapportd	MacFormat	0.9	7	50.4 MB	Intel
1043	Safari	MacFormat	0.1	13	172.7 MB	Intel (64 bit)
1048	Safari Web Content	MacFormat	0.3	9	111.6 MB	Intel (64 bit)
1128	screencapture	MacFormat	0.0	4	4.1 MB	Intel (64 bit)
1113	System Information	MacFormat	0.0	3	25.8 MB	Intel (64 bit)
996	System Preferences	MacFormat	0.0	2	41.8 MB	Intel (64 bit)
988	SystemUIServer	MacFormat	0.0	5	22.9 MB	Intel (64 bit)
987	talagent	MacFormat	0.0	2	7.3 MB	Intel (64 bit)
1014	ubd	MacFormat	0.0	7	11.1 MB	Intel (64 bit)
975	UserEventAgent	MacFormat	0.0	3	8.8 MB	Intel (64 bit)
1013	warmd_agent	MacFormat	0.0	2	1.7 MB	Intel (64 bit)

Free: 1.11 GB 🟩
Wired: 542.6 MB 🟥
Active: 1.93 GB 🟨
Inactive: 442.4 MB 🟪
Used: 2.89 GB

VM size: 323.46 GB
Page ins: 772.3 MB (0 bytes/sec)
Page outs: 0 bytes (0 bytes/sec)
Swap used: 0 bytes

170MB is normal for Safari, but if it grows to over 1GB, you have a memory leak.

"How can I delete a Pages template without any fuss?"

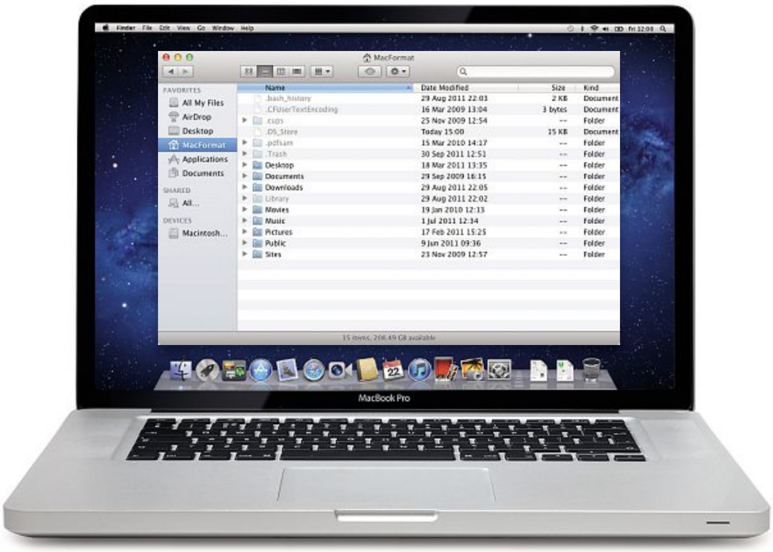
Q In the October 2011 issue of *MacFormat*, there was a quick tip advising how to delete a template from *Pages*. I welcomed this as I have been really struggling to find out how to do this for several weeks now. However, my hopes were dashed when I found I did not have an *iWork* folder, possibly because I bought the programme as a standalone download from the App store. Our local Apple store was unable to shed any light on this either, and they found exactly the same problem with both a Macbook Pro and iMac they had on display. Could you provide a foolproof method of deleting a template?

Tim Brown

A User templates are stored in ~/Library/Application Support/iWork/pages/templates/My Templates. As I mentioned earlier, your home Library folder is hidden in Lion, but it's there nevertheless and you can navigate to it in *Finder* using Go > Go to Folder… and entering ~\Library. What you and your local Apple store have found is that the *iWork* folder isn't created automatically when *Pages* is installed. As soon as you create your own template and save it, the folder will be created but that's not really relevant because only user templates are stored there. The built-in ones are part of the *Pages* package file itself in the Applications folder. If you right-click the *Pages* file and choose Show Package Contents, you can navigate to \Contents\Resources\Templates and that's where you'll find all the built-in templates. You'll need an admin account password to confirm the delete, but otherwise it's straightforward enough.

"Where have all these extra files come from?"

Q I have a 2011 MacBook Pro with Lion. I downloaded an app called *SuperDocker* and accidentally ticked the box that said 'Add a quit button to Finder' and then it automatically relaunched *Finder*. To my horror I found lots of files were scattered about so I quickly uninstalled it using *AppCleaner* to prevent further corruption. I deleted the majority of the files except two: .DS_Store and .Trash. These are



Name	Date Modified	Size	Kind
.bash_history	29 Aug 2011 22:03	2 KB	Document
.CFUserTextEncoding	16 Mar 2009 13:04	3 bytes	Document
.cups	25 Nov 2009 12:54	--	Folder
.DS_Store	Today 15:00	15 KB	Document
.pdfsam	15 Mar 2010 14:17	--	Folder
.Trash	30 Sep 2011 12:51	--	Folder
Desktop	18 Mar 2011 13:35	--	Folder
Documents	29 Sep 2009 18:15	--	Folder
Downloads	29 Aug 2011 22:05	--	Folder
Library	29 Aug 2011 22:02	--	Folder
Movies	19 Jan 2010 12:13	--	Folder
Music	1 Jul 2011 12:34	--	Folder
Pictures	17 Feb 2011 15:25	--	Folder
Public	9 Jun 2011 09:36	--	Folder
Sites	23 Nov 2009 12:57	--	Folder

Important system files are often hidden, so they don't cause clutter or get accidentally binned.

both located in my home folder. Also the Library folder is faded out like when you hide an app. I called the Apple Technical Support Team and the guy said that .Trash is my Trash Icon in the dock so that means it now will always be there. As for .DS_Store, he said an app called *DSWipe* can remove .DS_Store files but it will always come back in my *Finder's* home folder. The guy said that the only thing I can do to permanently get rid of it is to restore from my Snow Leopard OS disc (then I could download Lion from the App Store again) but I would have to back up my files. Won't the .DS_Store files just tag along on my backup? I have no current backup so what's the point of buying *DSWipe* then restoring just to find that the .DS_Store files recur? I tried to back up photos to *Dropbox* but the upload speed is slow (free version) and it said '28 Days Remaining'. Now that means I would have to have my Mac on for 672 hours altogether, but that would probably take six months of use for me as I do not leave my Mac on all day.

Michael Stalley, age 12

A I think you're panicking a little. DS_Store files are used by *Finder* to hold the metadata that relates to the way a folder is displayed on the desktop – its size, position and icon, for example. Whenever *Finder* accesses a folder, it will create a DS_Store file for it, if one doesn't already exist. That happens even when the folder is accessed on a remote system, so you can find them on Windows PCs in folders that are shared by a Mac on the same network. You can suppress the creation of DS_Store files over the network, but there's nothing you can do about them on your local hard disk. And there's not really any reason why you would want to either. That full stop at the front of the filename means that it is a hidden file and like .Trash, .DS_Store normally sits tucked discreetly out of view. I think that this whole 'problem' has arisen because something (possibly *SuperDocker*) has made hidden files visible in *Finder*. Suddenly you can see lots of files 'scattered about' and you assume that *SuperDocker* put them there. But they were there all along and they are all needed by OS X. In Lion, the Library in your home folder is also normally hidden, which is why it's greyed out. When your hidden files were invisible, you couldn't see it at all, and you just didn't notice it was missing.

So instead of waging a pointless war on DS_Store files, I suggest you just make hidden files invisible again. Open a *Terminal* window and type defaults write com.apple.Finder AppleShowAllFiles NO, then hold down the ⌥ key and right-click *Finder* in the Dock and select Relaunch. Everything will be much less cluttered.

As for backing up, Dropbox (and now iCloud) is a great way to back up documents, especially if you need to access them from several computer, but it's no substitute for a proper backup. Get an external hard disk for £40 or so and use *Time Machine*.

Searching in Lion

Ian Osborne

Lion makes it easier to find what you're looking for, whether it's files, documents, emails or information. A host of new and refined search options are designed to put everything you need at your fingertips.

Spotlight searches have long been a part of OS X; click on the magnifying glass in the top-right corner of your screen, and type what you're looking for in the search field. It does more than find files stored on your hard drive. Enter the name of an application and click on it in the listed results to launch the app in question; and to look up a word in the dictionary, type it in the search field and click on the **Definition** option. But Lion also adds some new features. You can now search the web and Wikipedia directly from Spotlight. 'Search Web' and 'Search Wikipedia' are listed at the foot of the results list, under Web Searches. Hovering your mouse pointer over Spotlight search returns might give you a Quick Look preview too.

Finder searching has also been revamped. When you type the name of an app or a file extension into a *Finder* window's search field in the right-hand side of the tool bar, a drop-down menu lets you restrict the search to Kinds instead of Filenames. You can then add more terms, known as Search Tokens, to narrow your results still further. For example, enter 'doc' and select Word Document, then enter 'MacFormat' to find every document on your hard drive that was created with Microsoft *Word* and contains the term *MacFormat*.

> *"Here you can perform a search according to date, name, subject, message or any combination thereof"*

Search Tokens are also available in *Mail*, where they're even more versatile. Here you can search according to date, name, subject, message or any combination thereof. To restrict your search to certain dates, type a month and a year, or just a year. Enter the name or part-name of a correspondent to see only messages from or to that contact. If you can remember a partial or complete subject line, add that too. Most tokens can be modified by clicking on them: for example, change 'From' to 'To', or 'Subject' to 'Entire Message'.

Also new to Lion is **All My Files**, a new sidebar option that lists everything on your Mac. Using the *Finder* window's toolbar button, you can sort this usually-huge list according to Name, Kind, Date, Size and more.

Last time we did a search for reviews editor Ian Osborne, we found him in the mosh pit rocking out at a Facemelter concert. He wrote this column while waiting for the encore.

>> QUICK TIP

Some Wacom tablets prevent dragging and dropping in *iTunes*. Press the side switch on the pen at the same time as 'clicking' with the pen nib.

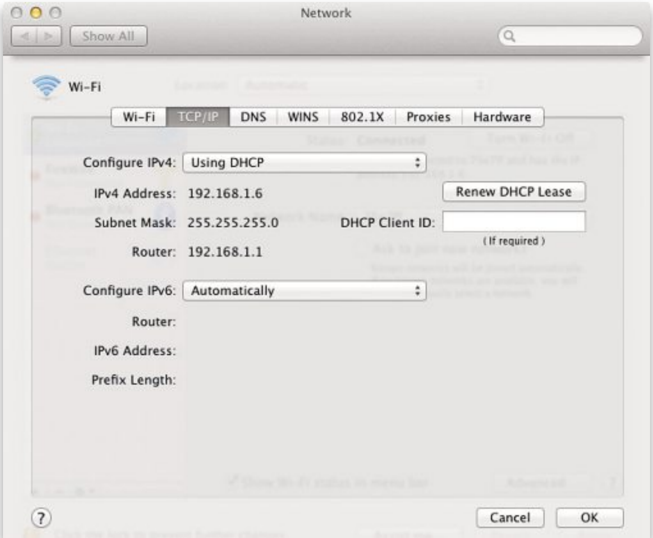
"What are these mysterious Wi-Fi bugs in Lion?"

Q Upgrading my late 2009 iMac to Lion has caused me nothing but issues, as *Safari* and other applications can lose Wi-Fi connection at key times for no real reason. I have tried changing my channel number on the router, following all the suggestions and tips as per the huge ongoing thread that has developed in Apple Communities. I even logged a ticket with Apple Customer Care with whom I have a three-year Apple Care warranty. The problem is mainly with *Safari*, which reports 'no internet connection', when in fact the connection is absolutely fine and even *Firefox* and *Google Chrome* load fine.

Update 10.7.1 did not resolve this and messages from developers/beta testers in the community have also said that the next release 10.7.2 has not fixed this. I had a 100% stable Wi-Fi connection under Snow Leopard; all my PCs and even my one Mac running 10.5.x ran fine using Wi-Fi. There are even reports of users buying new Apple Mac machines with Lion pre-installed that are unable to get stable Wi-Fi connections established.

Chris King

A Although this looks like a monolithic bug with Wi-Fi, it definitely isn't. Various users on the forums have reported that it can be fixed by: uninstalling *Avast* antivirus; resetting the SMC; adding an extra DNS entry; setting Network Preferences to use DHCP with manual IP; setting Network Preferences not to use DHCP with manual IP; and even running ping in a *Terminal* window in the background. For each reported 'fix' you'll see a couple of "thank you, thank you, thank you" posts, and then a slew of people saying "nope, didn't work for me". That tells us that there are several simultaneous glitches with Wi-Fi networking. Each glitch only manifests under certain conditions and each one has its own solution or workaround. This is the main reason that you won't find an official Apple announcement regarding "The Problem with Wi-Fi in Lion" because it isn't one problem. Apple changed quite a lot of the networking code in Lion – the Samba client was completely rewritten, for example – and they evidently introduced a lot of new bugs in the process. 10.7.1 and 10.7.2 did fix some of them, but the only bugs that anyone ever cares about are the ones that they personally experience. Troubleshooting connection reliability faults will try the patience of a saint. In your position, I think I would either roll back to Snow Leopard or use a different browser, and try again with 10.7.3.



Configure IPv4: Using DHCP
IPv4 Address: 192.168.1.6
Subnet Mask: 255.255.255.0
Router: 192.168.1.1
DHCP Client ID:
(If required)
Configure IPv6: Automatically
Router:
IPv6 Address:
Prefix Length:

Turning 'manual address' on sometimes fixes WiFi problems in Lion.

Bridging is, in fact, fully supported with the Wi-Drive. And it's really easy to do.

>> MACFIXIT TIPS / Icon resizing controls in Lion

In OS X 10.6 Snow Leopard, Apple introduced an option to control icon sizes by using the pinch-zoom gesture on Macs with multi-touch trackpads. If you pulled your fingers together then the icon sizes in the current window would get smaller, and if you spread your fingers then the icons would get larger.

This feature has been removed in OS X Lion, which has frustrated a number of people who have come to rely on its convenience. While the *Finder's* preferences file may have an option called **EnableZoomPinch**. For some this option is likely just left over from the previous *Finder* version in OS X 10.6, since altering its setting from "false" to "true" has no effect on the *Finder* in Lion.

Unfortunately it seems the option to pinch zoom has been fully removed from the *Finder*. While Apple could have altered it to require a modifier key or some other alternative approach if the default behavior was a burden to most people, Apple instead chose to disable it altogether. Currently if you are interested in managing icon sizes in the *Finder*, there are only two options available to you in OS X Lion:

1. The status bar

Apple has placed a slider at the bottom of every *Finder* window, which allows you to adjust the icon sizes for that window.

This option is perhaps the next most convenient option than the use of pinch zoom; however, it will only work for *Finder* windows and therefore will not affect the icon sizes of the desktop.

2. The view options

The second place where you can adjust icon sizes is in the *Finder's* **View Options** panel, which adjusts window properties including icon size and labelling. To get to the view options for a window, ensure it is active then press ⌘+J or choose **Show View Options** from the **View** menu.

MacFixIt
Troubleshooting Solutions for the Macintosh
Tips supplied by MacFixit.com

"Am I able to bridge or not? Please help!"

Q **Your review of the Kingston Wi-Drive in the November 2011 edition of *MacFormat* mentions the fact that the device supports internet connection bridging. I have purchased the 32GB version of the Wi-Drive and it is working well, but the supplied setup instructions are very basic and make no mention of internet bridging. I have contacted Kingston tech support, who inform me that whilst internet connection bridging is technically possible it is not officially supported by them. And although the technician I spoke to did try to explain how to do it he was difficult to follow and I have been unable to get anywhere. Is it possible for you to explain to me how to set up internet connection bridging with the Wi-Drive, please?**

David Atkinson

A I don't know why you were told that bridging isn't officially supported – it's listed quite clearly as one of the device's features on the Kingston website (**www.kingston.com/ukroot/flash/wi_drive.asp**). Well, actually, I suspect that "it's not officially supported" is tech support-ese for "I haven't been trained how to do this yet". Anyway, it doesn't matter because it's quite easy to do. The Wi-Drive creates its own wireless network so that you can access the drive but you can only connect to one network per network adapter, so when you connect to the Wi-Drive it disconnects you from whatever Wi-Fi network you were using previously. Bridging mode solves that because the Wi-Drive connects to another network for you and hands all your network traffic across to the second network. This lets you connect to a router that has internet access, without losing your connection to the Wi-Drive. To enable bridging, make sure you are connected to the Wi-Drive first and then open the Wi-Drive app on your iPhone or desktop. Select the Home icon then select your Wi-Drive and click or tap the gear icon. Choose Network Connections and select the network you want to join from the list. If there is a password on that network, you'll have to enter it and then the Wi-Drive will reboot to activate bridging mode.

If you've done all that and it still doesn't work, it's probably because the network you are trying to join uses mixed mode security, which the Wi-Drive doesn't support. Open the configuration page for your router and set it to use just a single security protocol. This will be listed as 'WPA' or 'WPA only', for example, rather than 'WPA & WPA2' or 'Mixed Mode'.

"How can I delete certain addresses from email?"

Q **Through the nature of my work, I send a large number of one-off emails using Snow Leopard's *Mail* program. This means that my contacts list has a large number of addresses that I will never use again. How can I get rid of these so that I can easily find those addresses I use regularly and wish to keep?**

Peter Holme

A The contacts list you are referring to is really just the Previous Recipients list. You can view this by clicking Window > Previous Recipients and you can select any address or range of addresses there and click Remove From List to get rid of them. If you untick 'Automatically complete addresses' in Mail Preferences > Composing, then your one-off addresses won't get added to the Previous Recipients list, but you won't be able to autocomplete recipients from *Address Book*, either. I don't think there's an easy way to quickly switch autocomplete on and off – you need to go into *Mail* Preferences each time.

MACFIXIT TIPS / Printers pausing after installing Lion

A few OS X users who have upgraded to Lion may find that certain printers they have installed may pause when print jobs are sent to them. The printers are still installed as they were before upgrading, and print jobs will spool to the printer queues, but once in the queue, the job pauses.

Some people have found this to happen with certain networked Xerox printers, but it may happen to others as well.

It turns out in some instances the OS upgrade process may reconfigure printers to use a different connection protocol than the one that was designated before installing Lion. For instance, it may switch to using Bonjour instead of a directly IP connection.

To fix this problem you will need to delete the printer and then reinstall it using the desired protocol and settings, which can be done in the **Print & Scan** system preferences. Select your printer and remove it, followed by clicking the plus button to add it to your system again. Then choose the connection type (use **Default** for Bonjour setups and direct connections, or **IP** for direct network connections), and then configure the printer's protocol, address, and driver.

If the printer still shows problems after this reconfiguration, then try right-clicking the printer list and choosing the option to reset the print system, which will clear all the printer configurations and set the system back to default settings. From here you should be able to set up your printers again.

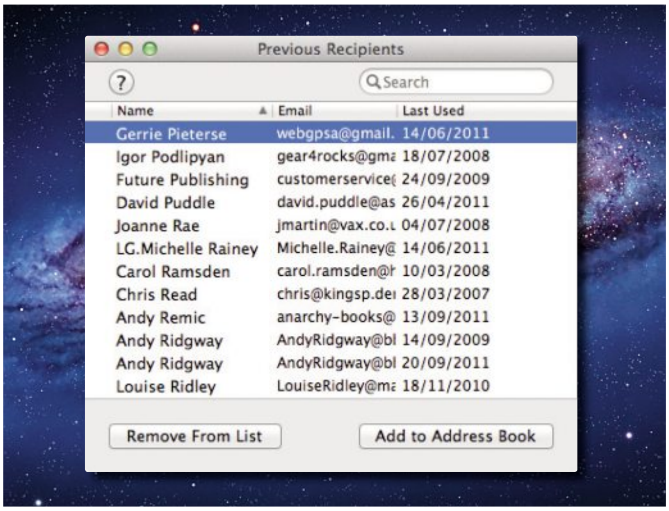
This is likely all that is needed for systems experiencing print issues in OS X Lion, but if you are running Snow Leopard and are experiencing print problems, then you might try downloading and applying the latest Combo updater for OS X 10.6.8. In Apple's initial release of 10.6.8 a misconfigured component of the print system resulted in printers having pause problems, so Apple released a version 1.1 of the combo update (found here) to in part address this issue.

MacFixIt
Troubleshooting Solutions for the Macintosh
Tips supplied by MacFixit.com

QUICK TIP

Mac OS X file names can contain most keyboard character except the colon (:). If the file needs to be recognised by a Windows PC, avoid including * < > | ? " \ or /.

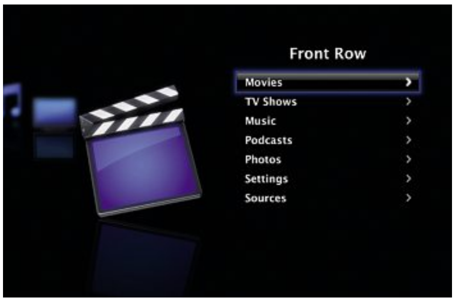
Every address you type into a Mail message will be saved in the Previous Recipients list.

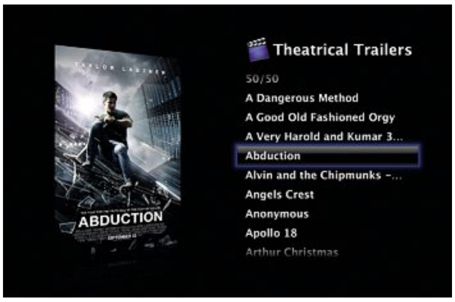


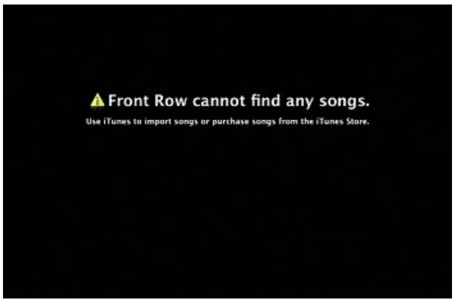
Previous Recipients

Name	Email	Last Used
Gerrie Pieterse	webgpsa@gmail.	14/06/2011
Igor Podlipyan	gear4rocks@gma	18/07/2008
Future Publishing	customerservice(	24/09/2009
David Puddle	david.puddle@as	26/04/2011
Joanne Rae	jmartin@vax.co.u	04/07/2008
LG.Michelle Rainey	Michelle.Rainey@	14/06/2011
Carol Ramsden	carol.ramsden@h	10/03/2008
Chris Read	chris@kingsp.de	28/03/2007
Andy Remic	anarchy-books@	13/09/2011
Andy Ridgway	AndyRidgway@bl	14/09/2009
Andy Ridgway	AndyRidgway@bl	20/09/2011
Louise Ridley	LouiseRidley@ma	18/11/2010

>> HOW TO / Restore Front Row in Lion






⚠ Front Row cannot find any songs.

Use iTunes to import songs or purchase songs from the iTunes Store.

01 Removed

Robert Gathergood is just one of many readers still wondering what happened to *Front Row* in Lion. It was dropped from OS X for various reasons – not least because the *Apple Remote* is no longer included as standard with new Macs. Many people never actually used it but there are still plenty of users who bitterly feel the loss.

02 Reinstall

Happily, you can patch it back in. We covered this in *MF240*, but if you missed it, here it is again. Download the package file from **www.mac-hatter.com/blog/frontrowenablerforlion** and double-click to launch the installer. This simply reinstalls the application and the required core files from Snow Leopard.

03 Restrictions

The *iTunes Library* structure changed in 10.4, this means that *Front Row* won't play your music or movies from your *iTunes* library any longer, unless you downgrade *iTunes* to version 10.3. Photos, DVDs, movie trailers and any home videos you have created yourself will all still work though. ●

>> QUICK TIP

Want to access files more quickly? If you wish to create an alias of any file from *Finder*, simply hold down ⌘+⌥ and drag the file onto your Desktop.

Time Capsule is the simplest way to back up your Mac over the network.

"I'd like to back up to the internet without wires"

Q I need a wireless backup/storage solution. You recommend the Buffalo Linkstation Pro in issue 239 but I'm not sure how NAS works. Is it wireless? Can I connect to it through my router or on its own?
Graham

A NAS just stands for Network Attached Storage. It's an external hard disk with its own network adapter and an embedded operating system to allow remote computers to access the disk over the network.

Some NAS drives are wireless but the Buffalo Linkstation range is not. To hook it into your network, you need to connect it with the included Ethernet cable to one of the ports on your router. That's less inconvenient than it sounds though and even wireless NAS drives often end up sitting next to the household router, out of convenience.

As a storage solution, the Linkstation works fine. For backup, it's a little bit more complicated. *Time Machine* is designed to work with any make and model of external hard disk over USB or FireWire, but over a network connection, only the Apple's own NAS, the Time Capsule, is supported. It's possible to trick Time Machine into recognising a Linkstation as a valid backup location (see http://preview.tinyurl.com/3wdv62o for more instructions than I have room for here) but whether you want to will depend on how much of a tinkerer you are.

My own view is that networks are already quite complicated enough without making life hard for yourself. The two main rules I follow for troublefree networking are:
1. Never network on the cheap and
2. Don't mix manufacturers.

The only real advantage of the Linkstation over a Time Capsule is that it is around £100 cheaper. The Time Capsule on the other hand is wireless and will connect directly to *Time Machine* right out of the box.

"Will iCloud take me over my broadband limit?"

Q Reading October's magazine feature on iCloud, it states that photographs imported into *iPhoto* will automatically be uploaded to iCloud. For those of us on a monthly broadband limit this could prove costly if the upload pushes beyond the limit. I currently have a 10GB limit, which has worked okay. iCloud will almost certainly mean an upgrade to this limit and extra cost.
Roger Winterton

A At 4MB for a typical photo, you can upload 250 photos every month without using more than 10%

MACFIXIT TIPS / Using the scroll bars

Prior to OS X Lion, you could readily make use of the scroll bars in the Mac OS to navigate through documents and windows shown on screen. However, Apple has changed this in Lion so the scroll bars are minimal and more of an indicator for when window contents are moving.

While likely not a feature that was relied on regularly, scroll bars and the functions they provide do come in handy at times. For instance, when paging through large documents the scroll bars can be used for adjusting the window contents positioning in small amounts, and the scroll indicators themselves can be used for showing both your current location in a document and its size relative to the window. Therefore, some people may still find a need for scroll bars or at least the functions they offer.

Even though scroll bars are set to hide in OS X Lion, there are a couple of options available for you to both keep them persistent and use similar functions they offer.

1. Enable scroll bars

If you open the **General** system preferences pane, you will see some options for how the system handles the automatic hiding of scroll bars. If you click the **Always** option, then the system will show them at all times so you can make use of them if needed.

Unfortunately even though you can enable persistent scroll bars, the old arrow buttons for stepping in any direction are missing. So there is no universal way for adjusting the screen position beyond multi-touch input.

2. Arrow keys

Besides scroll bars, there are some options you can use for navigating and scrolling around windows. The first clearly are Apple's default input methods that include two-finger scrolling when using multi-touch input devices. But these can be a bit cumbersome, especially if you want to scroll in small increments or one page at a time in a specific direction. On some of Apple's keyboards there are page up and page down options, but if you do not have these then you can page up or down in most applications by pressing the key and then tapping either the up or down arrow keys.

3. Space bar options

In some applications without active text fields such as *Safari* and *Mail* (when viewing inbox messages) you can use the spacebar to page down followed by holding the ⇧ key to page up. You can also use the arrow keys to navigate, but these options are app and situation-specific so test them out before relying on them.

of your broadband cap, so I wouldn't expect Photo Stream uploads to make a serious dent in your allowance. But if you do find yourself nudging close to your limit, it is easy to disable Photo Stream. In *System Preferences*, you can click iCloud and untick the Photo Stream box in the list of applications that will sync to iCloud. Or in *iPhoto*, you can click iPhoto > Preferences and untick Enable Photo Stream. It's the same preference setting, whichever way you do it. There is a third option, which is to leave Enable Photo Stream ticked but untick Automatically Upload. This will let you manually choose which photos to send to iCloud by clicking Share > Photo Stream in *iPhoto*.

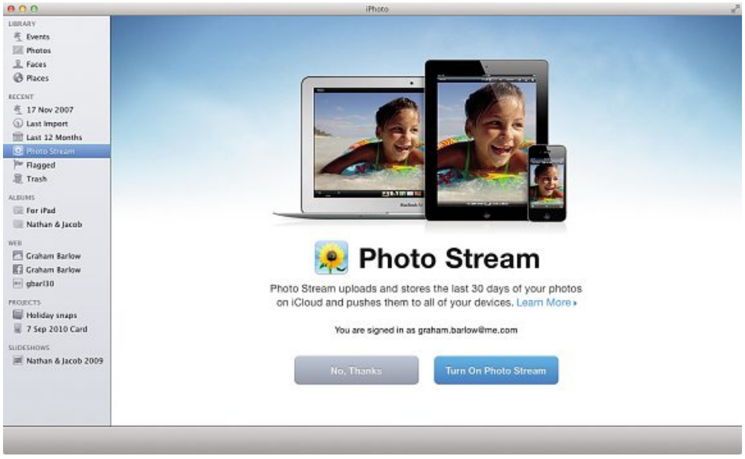


Photo Stream uploads and stores the last 30 days of your photos on iCloud and pushes them to all of your devices.

You are signed in as graham.barlow@me.com

Photo Stream shouldn't affect your broadband allowance too much. But keep an eye on it.

"Preserving photos for generations"

Q **I have a 24-inch iMac running OS X 10.6.8 and will update to Lion soon. I am considering a new A3+ printer and am having great difficulty trying to come up with a suitable machine. I spend a lot of time on *Adobe CS3* and print out A4 photos in the main, with the occasional A3+ picture. I need to have the photos last so as to be able to pass them on to my children and grandchildren. I think this means using pigment inks as dye-based inks do not last long. Am I right? I am considering the Canon Pixma ix7000 and the Pro 9000. The question I need the most help with is that both of these printers say they run on a Mac with OS X 10.5. Does that leave me out?**

David Baillie

A If they specify 10.5, it means 10.5 or higher. Snow Leopard and Lion will work just fine. While most modern dye inks are predicted to last 25 to 30 years without fading, the best way to preserve photos is to keep them on your computer and back up regularly. If you change computer, take the files with you. And if you only need prints larger than A4 occasionally, it might be an idea to send them to a print service such as Photobox.co.uk who print A3 with same-day dispatch at £5.77 per sheet. ●

Dye-based printer inks tend to be a little more prone to fading than pigment inks.

QUICK TIP

The menu includes the **Recent Items** list to jump straight to any application or document that was accessed recently. If you need to cover your tracks for any reason, click the **Clear Menu** option at the bottom of this list.

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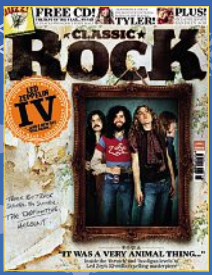
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"The late 2011 MacBook Pros all benefit from slightly faster processors"

THE LATEST MACBOOK PRO RANGE, REVIEWED ON P92

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Reviews

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Ian Osborne
Reviews Editor

That was unexpected. With no fanfare or publicity, Apple gave us a MacBook Pro refresh for late 2011. It wasn't a major overhaul; the processors are a little faster, the hard drives in the 13-inch models a little bigger and the discrete graphics in the 15-inch and 17-inch MacBook Pros are improved. But any component upgrade is welcome, especially as the price remains the same. Read all about them on page 92.

Alex, our Art Editor has been keen to try out the Wacom Inkling ever since they demoed a pre-release version to us back in September. This month it's ready to review, much to his delight. Read his thoughts on this great new artist's tool on page 95, and catch his blog post previewing its release on the *MacFormat* website at **http://bit.ly/uWzxNm**.

Pixelmator has ambitions to be the home user's answer to *Adobe Photoshop* – a useful and capable image editor for people who neither want nor need a pro-level application costing three figures. But is version 2.0 a step in the wrong direction? Find out on page 103.

» OUR LOGOS

Mac FORMAT Choice ★★★★★ — A product that receives the MacFormat Choice award is the best in its class when reviewed.

Mac FORMAT Winner! — Used in our Group Tests, MacFormat Winner indicates the product that we feel stands out.

Mac FORMAT On the disc — This logo indicates there are either test versions or files associated with the review on the disc.

RATINGS EXPLAINED: ★★★★★ Excellent ★★★★☆ Very good ★★★☆☆ Good ★★☆☆☆ Adequate ★☆☆☆☆ Poor

>> APPLE NOTEBOOKS

MacBook Pro 13- and 15-inch

£1,299 & £1,849 Apple's MacBook Pros get a minor refresh, but the price remains the same

KEY INFO

Manufacturer: Apple
www.apple.com/uk

SPECIFICATIONS

13-inch MacBook Pro 2.8GHz
Processor: 2.8GHz dual-core Intel Core i7 **RAM:** 4GB **HD:** 750GB **Video:** Intel HD Graphics 3000

15-inch MacBook Pro 2.4GHz
Processor: 2.4GHz quad-core Intel Core i7 **RAM:** 4GB **HD:** 750GB **Video:** AMD Radeon HD 6770M with 1GB

PROS & CONS

13-inch MacBook Pro 2.8GHz
- ⊕ More storage
- ⊕ Improved processors
- ⊕ No price increase
- ⊖ Very minor upgrade

15-inch MacBook Pro 2.4GHz
- ⊕ Faster processors
- ⊕ Better graphics
- ⊕ Same price
- ⊖ Again, very minor upgrade

VERDICT

13-inch MacBook Pro 2.8GHz
★★★★☆
"This is a welcome, albeit unambitious, incremental upgrade for the 13-inch."

15-inch MacBook Pro 2.4GHz
★★★★★
"The Radeon graphics upgrade gives the 15-inch a definite power boost."

With very little fanfare, Apple gave its MacBook Pro range an incremental component update this winter. The late 2011 MacBook Pros all benefit from slightly faster processors. The two 13-inch models also get bigger hard drives, with both 15-inch models enjoying improved graphics processors. As before, the 17-inch MacBook Pro is identical under the hood to the higher-end 15-inch notebook, but with a bigger screen.

Apple's smallest notebooks get a small power increase. The entry-level model's Core i5 chip goes from 2.3GHz to 2.4GHz, with the more expensive Core i7 notebook's 2.7GHz processor being replaced with a 2.8GHz CPU. Hard drives have increased in capacity, from 320GB and 500GB to 500GB and 750GB respectively. As the 13-inch MacBook Pro has no discrete graphics card, the notebooks' video processing is still powered by the integrated Intel HD Graphics 3000 chipset, which shares system RAM.

Mac FORMAT Choice ★★★★★

The MacBook Pros get an incremental component update.

Quad-core galore

Apple's two 15-inch MacBook Pros also benefit from slightly faster processors. They both retain quad-core Intel Core i7 chips, but the cheaper model is boosted from 2GHz to 2.2GHz, and the higher-end 15-inch model from 2.2GHz to 2.4GHz. Graphics are also upgraded, with the entry-level 15-inch model getting an AMD Radeon HD 6750M graphics processor with 512MB of GDDR5 memory; meanwhile the top 15-inch MacBook Pro moves up to a 6770M with 1GB. Off-the-shelf storage remains the same, at 500GB and 750GB respectively.

The 13-inch MacBook Pros' update is the less impressive of the two. The only power upgrade is the processors' 0.1GHz speed increase, which is barely noticeable in terms of performance. This was reflected in our benchmarking tests carried out on the better-specced 2.8GHz model, which saw little change from its 2.7GHz early 2011 predecessor. The bigger hard drives are more significant, with even the entry-level machine now having 500GB.

The improved graphics capabilities offered by the late 2011 15-inch MacBook Pros give noticeable improvements in our gaming tests. Again comparing the higher-end model against its predecessor, its *Call of Duty 4* framerate is up from 84.3 to 86.7 FPS. Its *Doom 3* score of 184.7 FPS is significantly higher than the 171.4 FPS scored by the notebook released early this year.

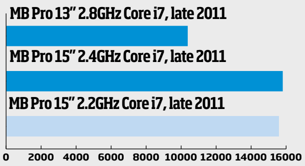
> *"The improved graphics capabilities offered by the late 2011 15-inch MacBook Pros give noticeable improvements in our gaming tests"*

Up to speed

Mac upgrades are always welcome, and it's great that Apple uses updated components as they become available instead of waiting for the next major refresh. But ultimately, the late 2011 update is a very minor one indeed. If you bought an early 2011 MacBook Pro, it's certainly not time to trade it in. And who knows: the next MacBook Pro refresh may see a total redesign…

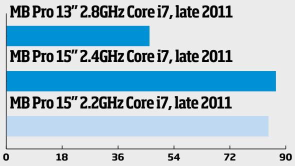
Ian Osborne

>> BENCHMARKS / How they stack up



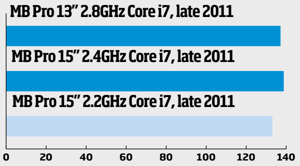
Cinebench (CBs)

Measuring CPU and GPU performance, *Cinebench* reports its results as a single figure. Multi-core performance quoted.



Call of Duty 4 (FPS)

Tested using *CoD 4*'s Timedemo Wetwork routine. Score recorded as frames per second, averaged over four tests. Higher is better.



iTunes encoding (seconds)

A timed test using the latest version of *iTunes*, ripping an audio CD at 128kb/sec AAC, auto sample rate, no VBR.

>> PHOTO PRINTER

HP Photosmart 7510

£250 Multifunction printers keep getting better and better

With print quality very high and prices ultra-low, what can multifunction printer manufacturers do to improve on previous models? This new HP Photosmart sets itself apart by offering a huge range of features, but it also leaves a few behind.

The HP Photosmart 7510 uses five ink tanks: CMYK, plus a pigmented black for clear, waterproof text. It connects to your Mac through USB or to your home network using Wi-Fi b/g/n, and has AirPrint for printing from iOS devices. With ePrint, you can email a document to your printer from anything that can send an email, and eFax lets you send and receive faxes over the internet.

The Photosmart 7510's clear, responsive 4.3-inch touchscreen and intuitive icon-driven interface makes it very easy to use, though the screen isn't a detachable tablet like last year's HP eStation. Auto-Duplex gives two-sided printing, and it also takes advantage of HP's mini-apps. You can access internet services like Facebook and Snapfish, print calendars, forms, graph paper and puzzles, check the local weather forecast and more, all direct from the printer. Additional apps are available for download.

As you'd expect from an HP, the Photosmart 7510 puts in an excellent printing performance. Text is beautifully realised, and very fast considering this isn't an office printer. Our 20-page test document took just two minutes, three seconds. Default-quality photo printing is clear and vibrant, if a little banded. And with photo paper and maximum DPI settings, it's near perfect, though perhaps a little dark.

> *"The HP Photosmart 7510 uses five ink tanks: CMYK, plus a pigmented black for waterproof text"*

Yet a few features are missing. There's a tray for prints of up to 7x5 inches, but no second A4 tray or feeder for photo paper or letterheads. There's no Ethernet connectivity, no disc on-body printing, and although you can print from SD or MMC cards, you can't use USB sticks or PictBridge. But as long as you don't desperately need any of these things, the features it does have and its stellar print quality mean the HP Photosmart 7510 comes highly recommended.

Ian Osborne

KEY INFO

Manufacturer: Hewlett-Packard Development Company www.hp.com

SPECIFICATIONS

Printing technology: Thermal Inkjet **Resolution:** Up to 9600x2400-optimised dpi **Inks:** Five **Paper capacity:** Up to 125 sheets **Supported memory card formats:** SD, Memory Stick **PictBridge support:** No **Dimensions:** 45.5x45x22cm **Weight:** 8.4kg

PROS AND CONS

- + Great quality printing
- + Solid and robust
- + All the essentials, but...
- – ...a few features missing

VERDICT

★★★★½

"Stellar performance and feature set. The things it lacks aren't deal breakers."

HP Photosmart 7510
PRINT eFax SCAN COPY WEB
Photo
Copy
Scan
ePrint WIRELESS

»IPAD TV TUNER

Elgato eyeTV Mobile

£90 This tiny plug-in device turns your iPad 2 into a television

KEY INFO

Manufacturer: Elgato
www.elgato.com

SPECIFICATIONS

Requirements: iPad 2 with iOS 4.3.3 or later **Weight:** 14g **Dimensions:** 3.1x4.1x1.1cm

PROS & CONS

- ⊕ Compact and convenient
- ⊕ Good picture quality
- ⊖ Signal can be problematic
- ⊖ iPhone/iPod touch - Japan only

VERDICT

★★★☆☆

"More versatile than wireless, but the signal could be too weak."

Elgato's eyeTV Mobile is yet another way to watch TV on your iPad 2 while you're on the go. It's a tiny little DVB-T Freeview tuner that plugs into the iPad's Dock connector, picking up a signal over the air so it won't touch your mobile data allowance.

It comes with two relatively small aerials that connect directly to the unit. Alternatively, you can attach any other antenna via a coaxial lead, though you'll need a £5 adapter from Elgato's online store to do this. But the fact that you can connect an external antenna is a blessing, because the included antennae may not be enough to get a decent signal. And just like with Elgato's wireless tuners, the tivizen and the equinux tizi, there's no real way of knowing until you try.

In our office, the smaller antenna couldn't pick up anything, while the larger one had to remain right by the window. Which meant, of course, that the iPad 2 did as well. Even walking round town with the smaller antenna, signal was intermittent. When we got a signal, the picture quality was excellent, though. The electronic programme guide is simple to find your way around, and it's easy to record shows (though you can't program it to record later – it's instant-on). It's also worth noting that the eyeTV Mobile is iPad 2-only, though apparently it works on the iPhone 4 or 4th-generation iPod touch in Japan.

If you want to watch TV on your iPad 2 without touching your monthly 3G data allowance, or somewhere where there isn't Wi-Fi internet access, this is worth a look. It's more versatile than the tizi or tivizen in that you can connect an external antenna, and you may well have to.

Laurence Cable

eyeTV mobile

eyeTV Mobile is powered from the iPad when the app is running.

»WIRELESS KEYBOARD

Logitech Wireless Solar Keyboard K750

£70 How does it fare against the Apple option?

KEY INFO

Manufacturer: Logitech
www.logitech.com/K750-mac

SPECIFICATIONS

Requirements: Mac OS X 10.4 or later **Connectivity:** USB port for RF dongle **Size:** 430x155x7.5mm

PROS & CONS

- ⊕ Comfortable to type on
- ⊕ Close match for Apple keyboard
- ⊕ Low power consumption
- ⊖ Can't reverse function key

VERDICT

★★★★½

"An excellently designed keyboard that matches the Mac's standard device."

Most modern keyboards work with a Mac, but the discerning insist on a genuine Apple layout. The PC version of this Logitech solar-powered model has been around for a while, but only now do we get Command keys instead of Windows buttons.

The K750's keyset and layout are almost identical to the Apple keyboard's, with media and Exposé icons on the function keys and an Eject button between [F12] and [F13]. It only has 15 function keys, with [F16]-[F18] replaced by controls for the solar features, but that's the only significant difference. The size and shape of the keys almost perfectly match the Mac's device, so if you're used to an aluminium Apple keyboard, you will be able to type comfortably on this one.

The K750's function keys behave as with the Apple keyboard's, that is they give the features printed on the buttons by default or act as standard function keys if you hold fn. But, the Preference Pane option to reverse this behaviour is missing.

Naturally, the K750's main selling point is that it's solar-powered. It can draw energy from both artificial and natural light, and when fully charged, can be used in pitch darkness for around three months. Switching it off doesn't stop it recharging, and a downloadable application shows how much power it currently holds and how much it's getting from current lighting conditions.

Aside from the missing function keys option, there's really very little to complain about.

Ian Osborne

The Logitech Wireless Solar Keyboard K750 for Mac is low profile, with raisers for those who like a more angled typing position.

The Inkling comes in a handy carry case and so easily fits in a bag with your sketchbook.

Photography: Gavin Roberts

>> DIGITAL SKETCHING

Wacom Inkling

£149 Transfer sketchbook doodles to your Mac with this digital drawing device

The Inkling is a digital sketching tool from Wacom that lets you create drawings in a notebook, sketchpad or even the back of a napkin and transfer them directly to your Mac. It uses a clip-on receiver, which you attach to your drawing surface. This then picks up signals from a digital pen, similar in design and feel to a Wacom graphics tablet stylus, and turns them into digital lines. You can work on a variety of surfaces, up to A4 in size, with the Inkling's receiver holding up to 2GB of files in its native file format. These can then be viewed and exported via the dedicated *Wacom Sketch Manager* software with files exported as rasterized JPEG and PDFs or editable SVG vector files so you can finetune them afterwards. You can even create layers while you draw by tapping the button on top of the receiver.

What makes the Inkling different to a tablet is that the pen also has a ballpoint nib in the end, so you create an actual drawing in your notebook as you use it. This makes sketching incredibly intuitive as the physical sensation of drawing on paper is much more familliar to artists than working on a tablet or iPad. Although working with a biro removes some of the subtlety that you would have with a pencil or ink pen, the Inkling's stylus offers 1,024 degrees of pressure and so the amount of detail it picks up is comparable to high-end Wacom tablets. In our tests the detail that was transferred was very impressive, picking up all but the subtlest of pen strokes with excellent accuracy. However, if the receiver is knocked or moved in any way then images can slip out of alignment, which you do not discover until the sketch is finished and on your Mac. The same is true if you block the sensor with your hand while drawing or using a ruler and so this may prevent it from being used for more intricate images. At the affordable price of £149 it is cheaper than a high-end Wacom tablet and so should be more than enough to tempt gadget-loving artists.

Alex Thomas

> *"The pen also has a ballpoint nib in the end so you create an actual drawing in your notebook"*

KEY INFO

Manufacturer: Wacom
www.wacom.eu

SPECIFICATIONS

Sketch size: A7 to A4 paper size
Pen dimensions: 153x17mm
Receiver dimensions: 71x32x16mm **Connectivity:** USB 2.0 **Flash memory:** 2 GB

PROS & CONS

- ⊕ Easy to set up and use
- ⊕ Mixes analogue and digital
- ⊕ Affordable price
- ⊖ Can't see mistakes until finished

VERDICT

★★★★½

"A brilliant product that is a must for all gadget-loving artists."

01
OPERA
02
03

Words: Ian Osborne **Photography:** Joe Branston

Bluetooth earbu

Which is the best option for cable-free listening on your Mac and iOS device?

Wireless earbuds offer obvious advantages over their traditional cabled counterpart. Joggers and gym-goers can listen to their favourite music while they train, without cables getting in the way. And if you're listening to your sounds on your Mac, you can get up and walk around without taking them out of your ears. There are no cables to get in the way of your typing fingers either.

In this mini group test, we look at five leading brands of wireless earbuds, as opposed to can-style headphones that sit over the ear. We assess each pair on comfort, sound quality, reliability and, of course, value for money. Prices represent the cheapest available option at Amazon.co.uk, and are correct at the time of writing. All the sets tested here use Bluetooth connectivity, and all are good for phone calls as well as listening to your music.

>> **SWEAT-PROOF / WASHABLE**

Philips SHB6017/10

£51 www.philips.co.uk

01 Designed for sports use, the Philips SHB6017/10 Sports Headphones feature microbial ear caps and can be cleaned under a running tap. This means there's no need to worry about a little sweat. They're comfortable to wear, and won't shake loose while you're jogging. The headphones are supplied with three sizes of tips, and a quick-dry drawstring pouch to keep them in.

The sound isn't very meaty. It lacks breadth, and the bass tends to throb and echo. As a result, they're better for listening to pop and classical music (where you expect a less prominent bass) rather than for rock or hip hop. The controls are functional enough, albeit a little fiddly. Perhaps this is inevitable given their size.

VERDICT

★★★☆☆

"Philips' buds are comfortable to wear, but they have a limited soundscape."

>> **AN EXPENSIVE OPTION**

Jaybird Freedom

£98 www.jaybirdgear.com

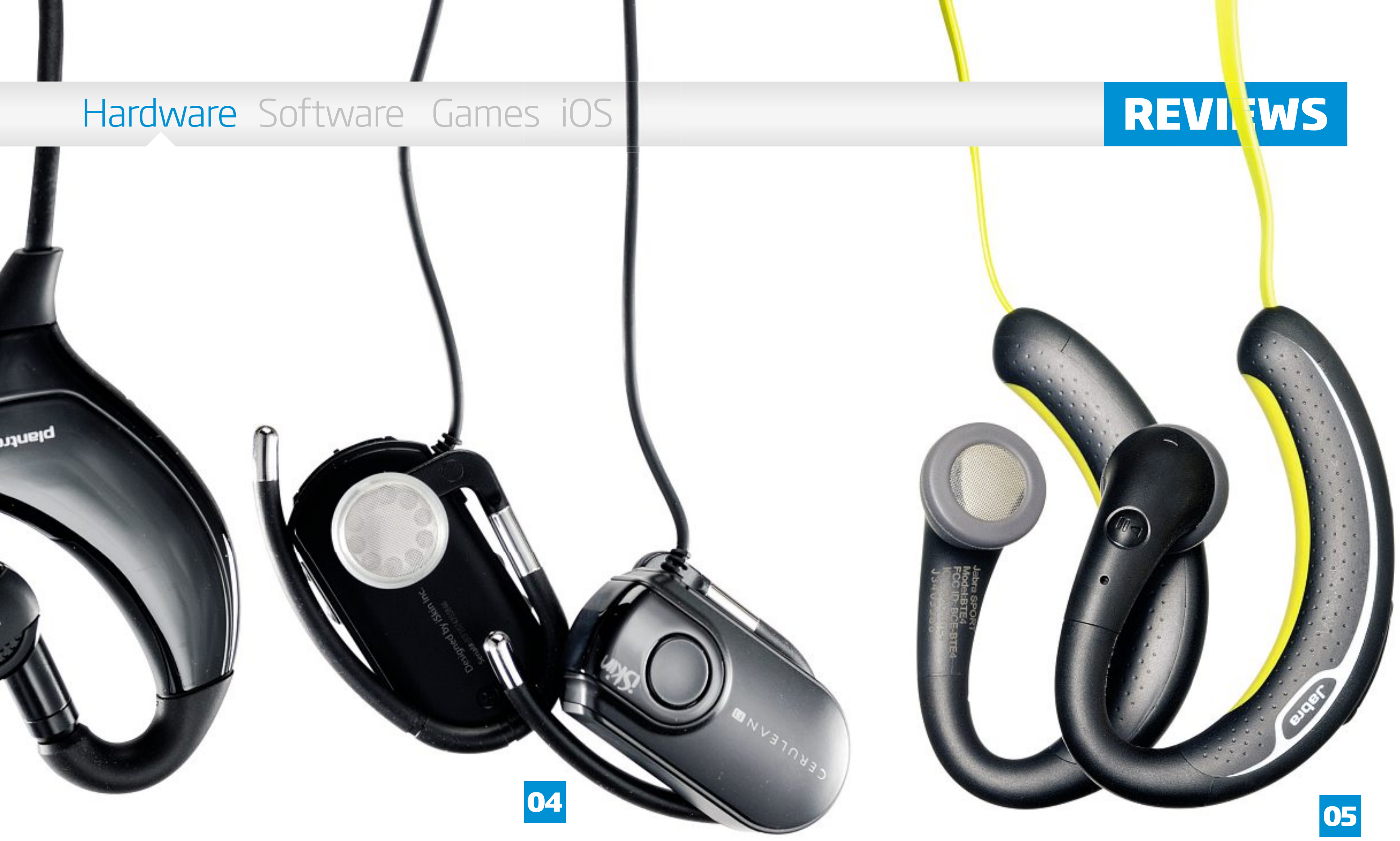
02 Supplied with a clamshell carry case and a good range of tips, the Jaybird Freedom earbuds are sweat-resistant by design. They come with a lifetime guarantee against sweat damage, but although they have a solid fit, they grow uncomfortable after being worn for a while. We certainly wouldn't like to jog in them. They offer better bass than the Philips Bluetooth earbuds, but the rest of the audio range is very muted and narrow.

Another major drawback is their lack of sound isolation. If you want to stop your music annoying those around you, the Jaybird Freedoms are not the earbuds to wear. Their leakage is particularly horrendous. On the plus side, however, they are light and their anti-tangle cable is useful.

VERDICT

★★☆☆☆

"Muted sound and a high price tag makes these questionable value for money."



ds

>> VALUE FOR MONEY

Plantronics BackBeat 903+

£44 www.plantronics.com/uk

03 Plantronics' BackBeat 903+ is the cheapest set of earbuds on test here, which is surprising as they also offer the best sound. While the limitations of Bluetooth wireless technology mean it's still far from perfect, the overall sound spectrum is a definite step up from its rivals, especially with the bass booster switched on. The battery level is shown on the iPhone's screen, which is a neat touch.

Unfortunately, their fit doesn't match their sound quality. They feel loose in the ears, and there are no spare tips in the box, so you can't simply move up to a bigger set to improve isolation. Bundled accessories are a zip-up bag and a wall charger instead of the more common charging cable.

VERDICT

★★★★☆

"The best sound quality on test, but they could offer a more solid fit."

>> TRANSMITTER INCLUDED

iSkin Cerulean F1+TX

£81 www.iskin.com

04 The Cerulean gets the prize for the best accessory bundle. As well as the earbuds (the F1 in the title), you get a transmitter for iPods that lack native Bluetooth (the TX), and a USB adapter so you can also use the transmitter with your Mac or PC. You also get spare ear hooks and pads for the earbuds, but no carry bag.

The sound quality is reasonable, with a fair depth and detail, but it isn't very meaty. Bass is solid but a little understated, and audio distorts at moderately high volumes. Not that you would want to turn it up very loud. During our tests, the sound leaked to the point where those nearby identified the track we were listening to. Range proved a little better than its rivals.

VERDICT

★★★½☆

"A good overall package, but the earbuds are let down by leaky sound."

>> FUN AND SPORTY

Jabra SPORT

£70 www.jabra.com/uk

05 The Jabra SPORT is packed with extras. In the box there's a wall charger and an armband to hold your iOS device while jogging or at the gym. A range of tips is also included. Like the Plantronics BackBeat, the current battery level is shown on your screen, and there's even a built-in FM radio. They're the most comfortable earbuds on test here too – you hardly notice they are there. You can even download a free iOS app called *Endomondo Sports Tracker*, which monitors your training and even offers words of encouragement.

But despite a great feature set, compromises have been made in overall quality. The FM radio is patchy in its reception and awkward to tune. Meanwhile the sound is flimsy, with a crisp and clear mid-section failing to make up for flabby bass and vocals too low in the mix.

VERDICT

★★★☆☆

"Great as sports earphones but not the best purely for listening to music."

Words: Ian Osborne

>> iPAD WALL MOUNT

Just Mobile Horizon

£60 www.xtand.net

01 This minimalist aluminium wall mounting unit can hold your iPad in portrait or landscape mode. A slot in the underside of the bracket lets you fit your power connector when the iPad is vertically orientated. It's held in place by soft rubber inserts so it won't wobble or get scratched, and a rubber button gives access to the home screen when the iPad is upright.

Horizon does everything you could ask of it, in style. If you need to fix your iPad to a wall, maybe to use as a digital photo frame or for entertainment viewing, it's great.

VERDICT

★★★½☆

"Solid and unobtrusive, Horizon is the easy way to wall-mount your iPad."

>> iPOD DOCK

Edifier Tick Tock Dock

£60 www.edifier-international.com

02 This mains-powered iPod dock with FM radio and alarm takes its inspiration from an old-fashioned alarm clock, replete with twin bells. The dock is well concealed, swivelling out of sight when not in use. And you can wake to your iPod's music, FM stations (24 presets are available) or an alternative audio source connected through the 3.5mm AUX port.

It has a decent sound, offering good detail, but a bottom end that distorts at moderate volumes. Its controls take a little getting used to, and inserting an iPod obscures the clock.

VERDICT

★★★☆☆

"Attractive but imperfect, and you could get a decent DAB alarm dock for the price."

>> HEADPHONES

Crossfade M-80

£175 www.v-moda.com

03 These headphones are smaller than you might expect. Two detachable Kevlar-reinforced anti-tangle cables with inline mics are included, covering most brands of smartphone, with the iPhone cable offering volume and pause controls. The build quality is stellar, and they sit comfortably on your ears.

The Crossfade M-80 headphones deliver a rich sound with plenty of detail, vibrancy and warmth. Bass is solid but unimposing. Yet despite their very good performance, they can't justify the price.

VERDICT

★★★★☆

"A well-designed and robust pair of cans. But there's no need for them to be so pricey."

>> EARBUDS

Brainwavz B2 earbuds

£99 www.yourbrainwavz.com

04 These earbuds are based on a dual-balanced armature configuration, unlike the rest of the Brainwavz range, which use dynamic drivers. Out of the box, their loosely twisted, uncoated cabling and somewhat flimsy feel does little to inspire confidence, though you do get a good range of accessories. These extras include a case, tips and adapters, although there is no inline controls.

Although the top and mid-sections are defined and shaped with clarity, the bass is weak, offering a decent degree of detail but no real power.

VERDICT

★★½☆☆

"The shoddy looks and weak bass mar an otherwise-strong performance."

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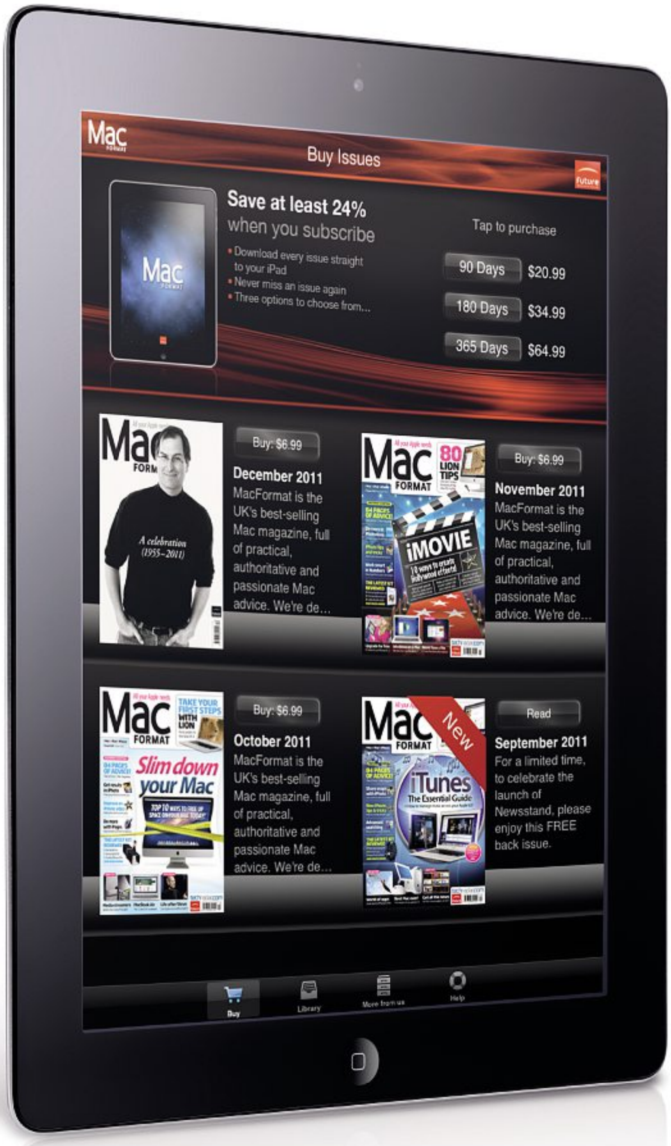

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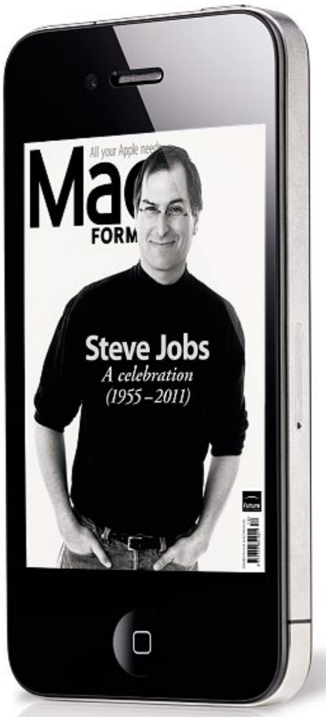

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» ANTI-MALWARE SOFTWARE

Kaspersky ONE Universal Security

From £45 Protect all your devices in one

KEY INFO

Developer: Kaspersky
www.kaspersky.co.uk

REQUIREMENTS

Processor: Intel **RAM:** 12MB
Disk space: 180MB
OS: OS X 10.5 or later

PROS & CONS

- ⊕ Low-cost, for multiple devices
- ⊕ Windows, Mac and mobile covered
- ⊕ No impact on Mac performance
- ⊖ Doesn't include iPhone cover

VERDICT

★★★★½

"Does the job well, uses few Mac resources, and covers almost all devices."

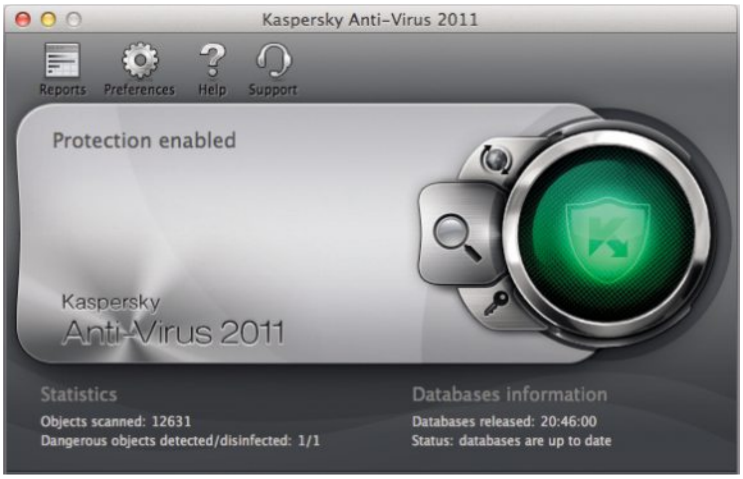
Malware isn't just a problem for a single platform. With this in mind, *Kaspersky ONE* is designed to help those with wide needs. It includes the company's well-regarded anti-malware software for Mac, Windows, Windows Mobile, Symbian, Blackberry, and Android (both phones and tablets). The big exception is, of course, iOS: although Kaspersky would like to create anti-malware software for Apple's mobile OS, the kind of deep system integration required simply couldn't be done under Apple's rules for the App Store. Arguably, there's less need for it given the control that Apple has over what gets into its Store.

The idea behind *Kaspersky ONE* is simple: you buy a subscription for either three machines (£45) or five (£80), and can install on whatever mix of Macs, Windows and the rest you need. That could be two Macs, two Windows PCs and an Android tablet. Or, it could be five Macs: it's entirely up to you.

In use on the Mac, *Kaspersky ONE* spotted all the malware we threw at it, both Mac and Windows. We also checked the system resources it was using with *Activity Monitor*, and found that it consistently used less than 1% CPU time, which effectively makes the impact of it on system performance unnoticeable.

Overall, if you need anti-malware protection for a range of different platforms, *Kaspersky ONE* offers a solid product with good performance at a decent price.

Ian Betteridge



Protection enabled

Statistics
Objects scanned: 12631
Dangerous objects detected/disinfected: 1/1

Databases information
Databases released: 20:46:00
Status: databases are up to date

The Mac interface to Kaspersky ONE is clear, simple and very easy to configure.

» WORD PROCESSOR

Hog Bay Software WriteRoom 3.0

£6.99 Update of the original writing app

KEY INFO

Developer: Hog Bay Software
http://hogbaysoftware.com

REQUIREMENTS

OS: OS X 10.7

PROS & CONS

- ⊕ An essential app for writers
- ⊕ Default theme now very smart
- ⊕ Themes can be saved and shared
- ⊖ No direct markdown support

VERDICT

★★★★★

"A perfectly balanced, indispensable part of any Mac writer's toolkit."

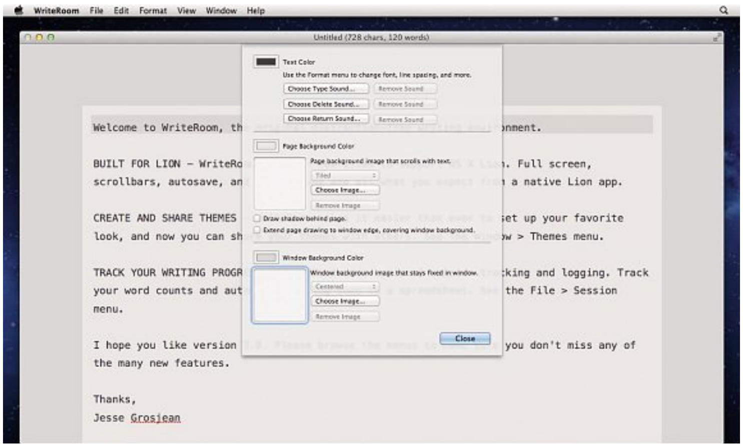
WriteRoom bills itself as the "original distraction-free writing environment", and it was certainly a breath of fresh air in 2006. Instead of myriad palettes and formatting options, you got a basic text document and a full-screen mode that brought to mind halcyon days of working with basic word processors. The app forced you to concentrate on writing.

Recent years have seen a rash of competitors, not least the impressive *iA Writer*, and they have starkly highlighted *WriteRoom's* few shortcomings: a retro-chic but ugly default theme; a comparatively expensive price-point; and needlessly complex preferences for what's ultimately a simple app.

WriteRoom 3 obliterates every one of these criticisms. The price has been slashed, the default theme is now very smart, echoing *iA Writer*, and the preferences are gone entirely. In their place: themes. You can now set up your own theme (fonts, options, text colour, page and background colour/images), and save it as a writeroomtheme file that can also be shared. Usefully, you can also create theme variants for *WriteRoom's* full-screen mode, which, naturally, works nicely in OS X Lion.

WriteRoom now supports Auto Save and auto-resume in Lion, and sessions are optionally tracked and logged to spreadsheets. But for us it's the combination of elegance and simplicity, with some highly useful customisation options, that sees *WriteRoom* move from being a straggler to again leading the pack.

Craig Grannell



Use the Format menu to change font, line spacing, and more.

Page background image that scrolls with text.

☐ Draw shadow behind page.
☐ Extend page drawing to window edge, covering window background.

Window background image that stays fixed in window.

```
Welcome to WriteRoom, th                                    onment.

BUILT FOR LION - WriteRo                                    n. Full screen,
scrollbars, autosave, an                                    a native Lion app.

CREATE AND SHARE THEMES                                     set up your favorite
look, and now you can sh                                    w > Themes menu.

TRACK YOUR WRITING PROGR                                    king and logging. Track
your word counts and aut                                    the File > Session
menu.

I hope you like version                                     you don't miss any of
the many new features.

Thanks,
Jesse Grosjean
```

WriteRoom's preferences are gone, replaced by a simple, shareable theme system.

>> WEBSITE BUILDER

Karelia Software Sandvox 2.2

£55 In the wake of iWeb's departure, can Karelia's Sandvox fill the gap?

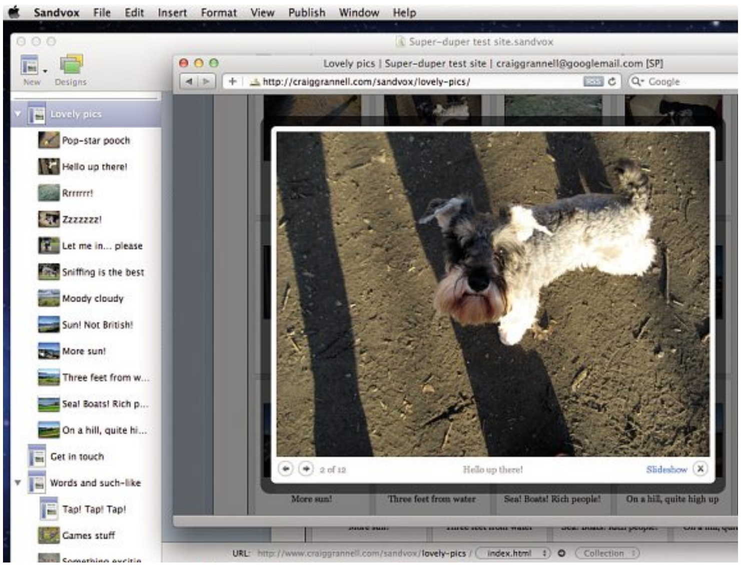
Thrice now has Apple chilled the bones of *iWeb* users: once when the app wasn't updated for *iLife '11*; then again when it failed to appear on the Mac App Store; and a third time when MobileMe website hosting was discontinued. But Apple's effective exit from website creation tools is advantageous for third-party developers like Karelia, whose output had arguably been overshadowed by Apple.

Apple smarts

At its best, Karelia's *Sandvox* feels like an Apple product. The basic interface is smart: it offers a toolbar boasting bright and clear icons and a large work area. It also has a sidebar for organising pages and sub-pages, and an *iWork*-like inspector for managing a selected item's attributes, such as its placement, size and appearance. The workflow model also – initially at least – proves uncomplicated, and should appeal to *iWeb* refugees. You start off by selecting a theme; next, you choose a page type (text, photo, blog and so on), and then you add content, which, in the case of images and text, can be dragged from other apps, like *TextEdit* and *iPhoto*.

> "Start off by selecting a theme; next you choose a page type and then add content, which can be dragged from other apps"

When layouts become more involved, *Sandvox*'s strengths and weaknesses are more apparent. On the former, the new Objects menu provides a simple way to add components to your site, such as social-networking widgets (Facebook 'like' buttons, recent Twitter messages, Flickr thumbnails, YouTube videos and so on), and a contact form that works through Karelia's website; all you need do is define some fields and Sandvox takes care of the tricky bits. But unfortunately, it's in layout and graphic design where Sandvox comes up weak.


Sandvox File Edit Insert Format View Publish Window Help
Super-duper test site.sandvox
New
Designs
Lovely pics
Pop-star pooch
Hello up there!
Rrrrrrr!
Zzzzzzz!
Let me in... please
Sniffing is the best
Moody cloudy
Sun! Not British!
More sun!
Three feet from w...
Seal Boats! Rich p...
On a hill, quite hi...
Get in touch
Words and such-like
Tap! Tap! Tap!
Games stuff
Lovely pics | Super-duper test site | craiggrannell@googlemail.com [SP]
http://craiggrannell.com/sandvox/lovely-pics/
Google
2 of 12
Hello up there!
Slideshow
More sun!
Three feet from water
Seal Boats! Rich people!
On a hill, quite high up
URL: http://www.craiggrannell.com/sandvox/lovely-pics/
index.html
Collection

Sandvox's new lightbox-style gallery option: pretty, but the images are optimised poorly.

To its credit, Karelia provides a slew of templates. The problem is they mostly feel dated and cramped, and are too often saddled with small text. Technically, you can build your own or radically alter the defaults. But if you're able to do so, you're more likely to use *Coda* or *Espresso* for website design than *Sandvox*.

More annoyingly, *Sandvox* feels rigid and inflexible regarding what it allows you to do. You have a modicum of control over element placing, but we often found the going fiddly when trying to do anything remotely complicated, suggesting *Sandvox* is best for simpler sites. Still, galleries have come on since version 1, and you can eschew the older one-page-per-photo format in favour of a swish lightbox overlay, albeit one that doesn't appear to optimise large images particularly well.

Weakly themed

Despite its drawbacks, *Sandvox* is a reasonable *iWeb* replacement, largely on par with *RapidWeaver*. True, *Sandvox*'s supplied themes are weaker, but it is slightly easier to use and understand.

Still, *Sandvox*'s greatest rivals in today's web landscape are probably the products that caused Apple to kill off *iWeb*: *WordPress* and *Tumblr*. And since they're free, flexible, extensible and usable, one might argue *Sandvox* is looking a tad pricey. Of course all that's by the by if you're happy with its design limitations and are also dead set on working locally on a site before publishing it to the web.

Craig Grannell

KEY INFO

Developer: Karelia Software
www.karelia.com

REQUIREMENTS

OS: OS X 10.6.6+ (Mac App Store version); OS X 10.5+ (through www.karelia.com)

PROS & CONS

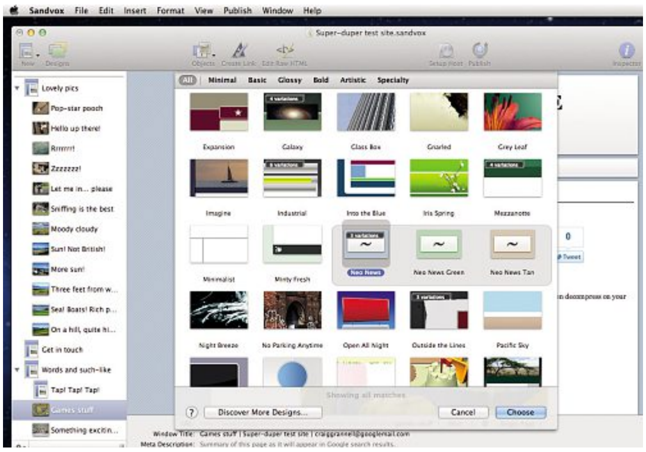
- ⊕ Pretty simple to use
- ⊕ Powerful if you dig deep
- ⊕ Improved galleries
- ⊖ Many dated templates
- ⊖ Inspector can be flaky
- ⊖ Looking a little pricey

VERDICT

★★★☆☆

"A competent tool for building websites, but it's beginning to look a little long in the tooth."

You get loads of themes, but the previews are poor and the designs are dated.


Sandvox File Edit Insert Format View Publish Window Help
Super-duper test site.sandvox
All
Minimal
Basic
Glossy
Bold
Artistic
Specialty
Expansion
Galaxy
Class Box
Gnarled
Grey Leaf
Imagine
Industrial
Into the Blue
Iris Spring
Mezzanotte
Minimalist
Minty Fresh
Neo News Green
Neo News Tan
Night Breeze
No Parking Anytime
Open All Night
Outside the Lines
Pacific Sky
Showing all matches
Discover More Designs...
Cancel
Choose
Lovely pics
Pop-star pooch
Hello up there!
Rrrrrrr!
Zzzzzzz!
Let me in... please
Sniffing is the best
Moody cloudy
Sun! Not British!
More sun!
Three feet from w...
Seal Boats! Rich p...
On a hill, quite hi...
Get in touch
Words and such-like
Tap! Tap! Tap!
Games stuff
Something excitin...

>> DOWNLOAD MANAGER

Folx 2 Pro

£13 Keep track of and speed up downloads

KEY INFO

Developer: Eltima
http://mac.eltima.com/

REQUIREMENTS

OS: OS X 10.4 or later
Disk space: 14MB

PROS & CONS

- ⊕ Cheap
- ⊕ Auto-download management
- ⊕ Smart folders
- ⊖ Speed increase not significant

VERDICT

★★★★☆

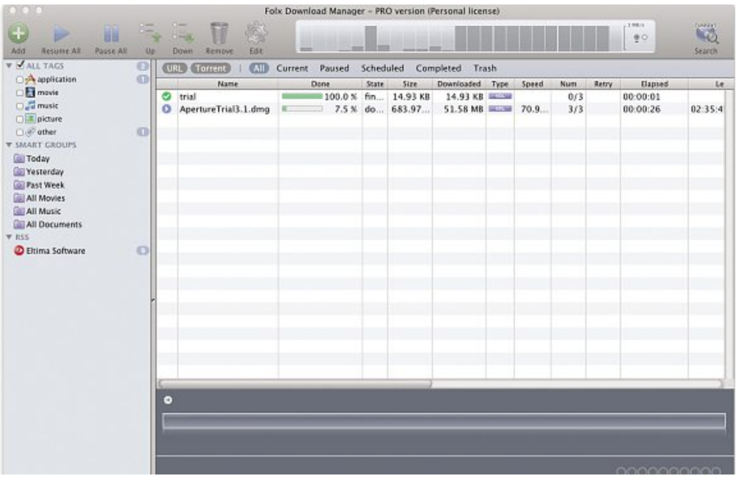
"Folx isn't going to make downloads much faster, but it is a great manager."

Folx is a download assistant that aims to make grabbing large files from the internet less tiresome and bandwidth intensive. Once you've installed *Folx* downloads are handled automatically. Click on links in *Safari* or your preferred web browser and *Folx* takes over. You can manage multiple downloads all at once and limit download speeds if you wish. Also built-in is a search tool for getting torrent files. If you have the URL of a download you can add it to *Folx* for direct downloads too.

We have to admit that the downloads we tried didn't show earth-shattering speed improvement: 10 or 20 seconds faster for a 600MB file. But it's not all bad news. *Folx* does offer a simple way to manage all your downloads. Even if the speed increases it offers aren't enormous it does give you a simple and easy-to-use interface for your files.

If you download a lot of documents from the web then at the very least *Folx* offers a great way to keep those files organised. Splitting downloads by type is a nice touch and the smart groups make trawling through lots of files and documents much easier. But it really is only good value if you spend a lot of time downloading files and need to keep them organised. For the occasional large file here and there, *Safari*'s modest downloads manager is more than capable. But if you find yourself downloading large numbers of files and need to keep them organised (or use bit torrent for file sharing) then *Folx* is a good tool. It's also a bargain at about £10.

Christopher Brennan


Folx Download Manager – PRO version (Personal license)
Add
Resume All
Pause All
Up
Down
Remove
Edit
Search
ALL TAGS
application
movie
music
picture
other
SMART GROUPS
Today
Yesterday
Past Week
All Movies
All Music
All Documents
RSS
Eltima Software
URL
Torrent
All
Current
Paused
Scheduled
Completed
Trash
Name
Done
State
Size
Downloaded
Type
Speed
Num
Retry
Elapsed
trial
ApertureTrial3.1.dmg

The search engine allows you to search all the torrent sites for files to download and seed.

>> CALENDAR UTILITY

Flexibits Fantastical 1.1

£14 A nicely dressed app, but can it beat iCal?

KEY INFO

Developer: Flexibits
http://flexibits.com

REQUIREMENTS

OS: OS X 10.6 or higher

PROS & CONS

- ⊕ Attractive design
- ⊕ Compatible with iCal
- ⊖ Voice input more of a gimmick?
- ⊖ Repeat events are awkward

VERDICT

★★★½☆

"Still needs to come up with one or two must-have features that iCal lacks."

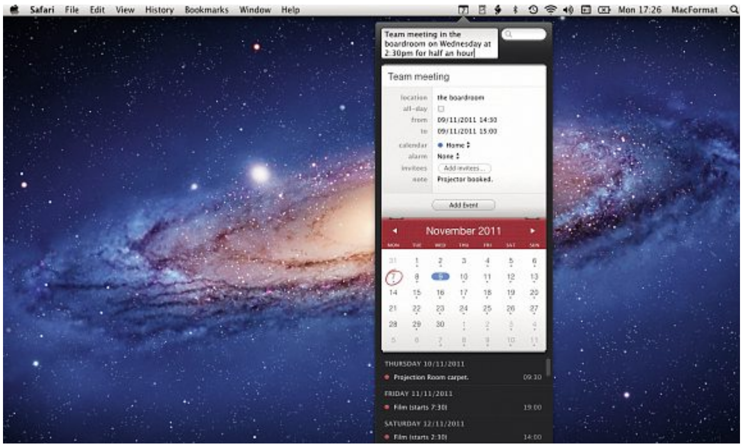
Fantastical is an exceptionally good-looking product. But are looks alone enough to justify a move from the perfectly serviceable *iCal*, or any of the other free calendars out there?

Its main claim to distinction is natural-language input of events: you can type, for example, 'dinner with the Smiths at 7pm on Wednesday' and the appropriate calendar entry is made. Accuracy is pretty good; the application even makes a stab at matching times to 'morning', 'afternoon' and so on. You can add notes to events, invite contacts from your *Address Book*, and also import from *iCal*, *Entourage*, or *Outlook*. If you want to import from BusyCal, Google or Yahoo!'s Calendar services, iCloud or MobileMe, you need to add these to *iCal* first and then link it to *Fantastical*; but this is straightforward enough, and you only have to do it once. The relationship with *iCal* also works in the other direction: additions and alterations made in *Fantastical* are reflected there.

There are a few interface-related niggles. Four mouse-clicks are required to delete an event. And it seems that repeating events can only be created using natural language – for example by typing 'budget meeting every Tuesday at 2pm'.

And if you thought a couple of paragraphs back that *Fantastical* sounds like it's not much more than another way of accessing *iCal* data, you'd be right. It looks great, and natural-language input is a nice idea; but it's not as if conventional calendars are really tough to use.

Barnaby Page


Safari
File
Edit
View
History
Bookmarks
Window
Help
Mon 17:26
MacFormat

Team meeting in the boardroom on Wednesday at 2:30pm for half an hour

Team meeting

location: the boardroom
all-day: ☐
from: 09/11/2011 14:30
to: 09/11/2011 15:00
calendar: Home
alarm: None
invitees: Add invitees...
note: Projector booked.

Add Event
November 2011

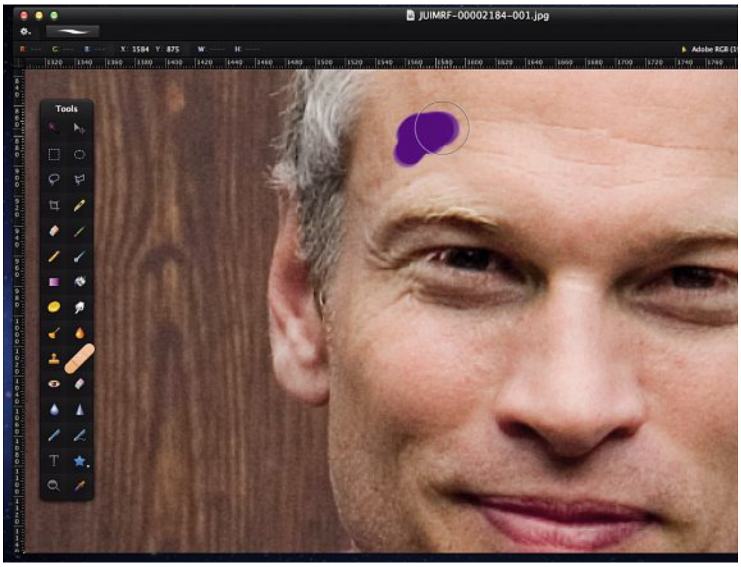
THURSDAY 10/11/2011
Projection Room carpet. 09:30
FRIDAY 11/11/2011
Film (starts 7:30) 19:00
SATURDAY 12/11/2011
Film (starts 2:30) 14:00

Summon Fantastical's calendar from the menu bar to see all your upcoming events.

» IMAGE EDITOR

Pixelmator 2.0

£40 Photoshop's dark-side, mini-me pretender returns with a mixed-bag update



The new Healing tool is pretty good, if you take your time and don't expect miracles.

Photoshop wannabe *Pixelmator* is back, with brand new features and some baffling omissions. It's become the dapper drunk of the Mac graphic-editing world, wearing a black suit but stumbling forward before taking lurching steps back and banging its head on the wall.

To start, the interface. We've never been big fans of *Pixelmator*'s attempt to ape a 10-year-distant version of *Photoshop*, dressed in eye-straining black, with barely readable text, spraying undockable palettes about the screen. But even if you loved *Pixelmator* before, there's a good chance the update will irk: there's no colour picker or swatch palette (you use Apple's terrible default OS X equivalents), and, bafflingly, the foreground/background colour picker – a mainstay of graphics apps for as long as we can recall – is gone from the Tools menu, which slows all kinds of workflow. Perhaps this is an elaborate jape on the part of the developers (or a massive bug); as might be shoving lots of handy options into an initially hidden context-sensitive Tool Options bar under each window's toolbar. At least, once discovered, the Tool Options bar proves useful, even if many essential commands are further hidden within the tiny cog menu at the far left. Elsewhere, *Pixelmator*'s quick full-screen mode's banished in favour of OS X Lion's sluggish one, and we couldn't find a shortcut for hiding all your palettes (previously, Tab).

> *"We've never been big fans of Pixelmator's attempt to ape a 10-year-distant version of Photoshop, dressed in eye-straining black"*

Aped innovations

Once you force yourself past these problems, you happen upon *Pixelmator*'s new features, which are variable. Many new tools ape *Photoshop* innovations, and photo-retouchers will welcome Sponge, Dodge, Burn and Smudge. The Healing tool is also impressive if you don't expect miracles; it's fine for removing skin blemishes, for example. But don't expect the kind of 'remove people from a photo' magic that's found in the (admittedly more expensive) *Photoshop*.

The Type tool is also improved, mostly through a ton of options buried in the aforementioned tiny cog menu (although we were a little miffed that you must still rasterise text before applying effects). Vector and shape tools are hit-and-miss, however, with an inability to modify supplied shapes (the Polygon tool provides pentagons – and that's it). But they at least enable you to create layer masks using regular shapes. The Shape Settings palette also enables you to add a stroke and an editable drop-shadow to shape and vector layers, which would be a more welcome addition if layer effects also extended to bitmap and text layers.

Overall, then, it's business as usual for *Pixelmator*: it's an application that for years we've been saying has plenty of potential, but it too often fails to deliver.

Summing up

If you want an inexpensive app for photo-retouching and, for whatever reason, dislike *Photoshop Elements 10*, *Pixelmator*'s a reasonable buy. But for any other graphics work, we'd sooner use *Acorn* – it's not as glossy, but it's more logical, refined and robust.

Craig Grannell

KEY INFO

Developer: Pixelmator Team
www.pixelmator.com

REQUIREMENTS

OS: OS X 10.6+

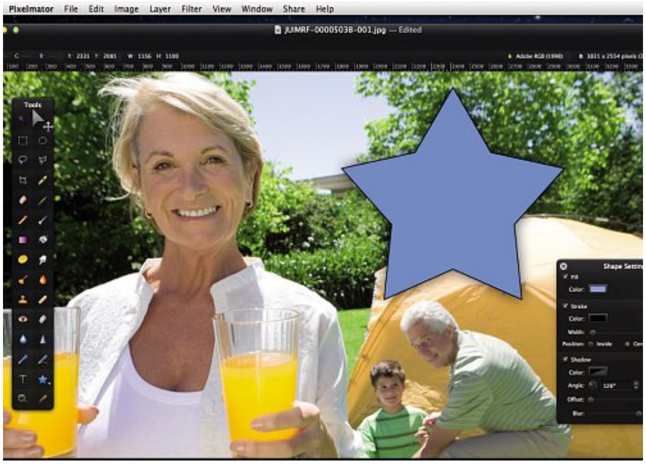
PROS & CONS

⊕ Handy new healing tool
⊕ New vector and shape tools
⊕ Some good retouching features
⊖ Interface is too often fiddly
⊖ Feels unfinished
⊖ Missing useful tools/palettes

VERDICT

★★⯪☆☆

"Despite some useful new features, this update feels like a regression. Perhaps version 2.1 will be better."


Pixelmator File Edit Image Layer Filter View Window Share Help
JUIMRF-00005038-001.jpg — Edited
Tools
Shape Settings

Shapes seem oddly limited, and using OS X's Colors palette irks. An update is needed!

>> WEATHER APP

swackett X 1.4

£1.99 Find out 'weather' you should wrap up!

KEY INFO

Developer: AGLogic, LLC
www.swackett.com/v1

REQUIREMENTS

OS: OS X 10.6
Other: internet connection

PROS & CONS

- ➕ Simple to use and understand
- ➕ Visually appealing
- ➕ Useful configuration options
- ➖ Not great on smaller displays

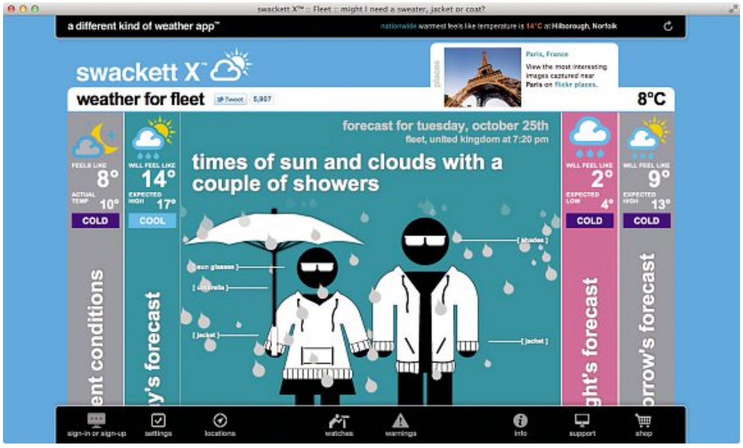
VERDICT

★★★½☆

"A sweet-natured app that tries to be different - and largely succeeds."

S*wackett X* is a rare beast in that it's a fun and inventive weather app. Most of its contemporaries are obsessed with giving you tons of data and graphs in a rather po-faced manner, or being all about simplicity combined with gloss so polished it squeaks. But *swackett X* has its roots in an iOS app, and so it's instead concerned with providing at-a-glance forecasts within a tactile and vibrant interface.

Much of *swackett X*'s character is achieved by the use of 'peeps'. What these simple, iconic figures are dressed in, along with any animations surrounding them, gives you an immediate sense of what the weather will be like. For example, if a peep is holding an umbrella and is surrounded by massive raindrops, perhaps think again about venturing out in shorts. The app also provides temperature badges ('hot', 'cool', and so on), for which you can define the bands. So along with being told it's 17°C outside, you can have an associated badge saying 'warm' or 'cold', depending on what you feel about that particular temperature.


swackett X™ :: Fleet :: might I need a sweater, jacket or coat?

nationwide warmest feels like temperature is 14°C at Hilborough, Norfolk

Paris, France
View the most interesting images captured near Paris on flickr places.

forecast for tuesday, october 25th
fleet, united kingdom at 7:20 pm

times of sun and clouds with a couple of showers

It's a sunglasses and umbrella day! Why not throw in skis, too? (Grumble.)

The app has further configuration and weather options, too: unit types; multiple-location support; additional peeps to purchase; outlooks and radars; and a menu-bar extra. But it's the character that keeps us coming back, even if the big graphics make the app less suitable for smaller displays. That said, there is a full-screen mode, fine for displays as small as 1280x800.

For more on the app and how to use it, see our tutorial on page 62.

Craig Grannell

>> IMAGE RETRIEVAL

Mac FORMAT Choice ★★★★★

Picturescue 1.2.3

$4.99 (£3) Grab lost iOS images

Developer: http://picturescueapp.com

It's safe to say *Picturescue* is an app you'll never need until disaster strikes - disaster in this case being losing your iOS photos, either through misplacing a device or an upgrade going horribly wrong.

Picturescue works by finding photos in the backups on your Mac. These can be browsed in an interface akin to a stripped-back *iPhoto*, and exported to disk. Usefully, the trial version enables browsing, so you can see what's possible to rescue. Naturally, *Picturescue* only works if you've local backups; but the app performs rescues admirably.

Craig Grannell

VERDICT

★★★★★

"A simple, effective and sympathetically priced iOS photo-rescue app."

>> MENU EXTRA

Attachments Menu 1.2.2

£7 Access Mail attachments

Developer: www.yazsoft.com/products/attachments-menu

Attachments Menu is a brilliant idea but only half a brilliant app. The idea first: *Attachments Menu* enables you to access an indexed list of attachments from *Apple Mail*, broken down by category (file-type) and account. Want to find the most recent *Pages* file someone's sent you? It's a click-and-browse away, via the menu bar - faster than searching *Mail*. What's less great is the lack of Spotlight support, which could make this app a must-have. It's also a bit unwieldy for searching anything but the most recent dozen or so attachments in any category.

Craig Grannell

VERDICT

★★½☆☆

"A nice idea if you get tons of email attachments, but it's largely inessential."

>> MENU BAR THEME

Menu Bar Filter 1.0

£FREE Darken your menu bar

Developer: http://eece.github.com/MenuBarFilter

One thing that didn't come 'back to the Mac' in OS X Lion was the black iOS menu bar. That's a pity, because the OS X menu bar can be a distraction. *MenuBarFilter* reverses the text and colour, giving you white text (and icons) on a black background, which looks very smart once you turn off the 'Translucent menu bar' option in *System Preferences*.

There are snags, though. *MenuBarFilter* is visually glitchy, especially with full-screen apps. Also, it's a faceless app that must be quit from *Activity Monitor*. Despite these shortcomings, it's a worthy system hack.

Craig Grannell

VERDICT

★★★☆☆

"Great-looking, especially on displays with a black trim, but it's glitchy."

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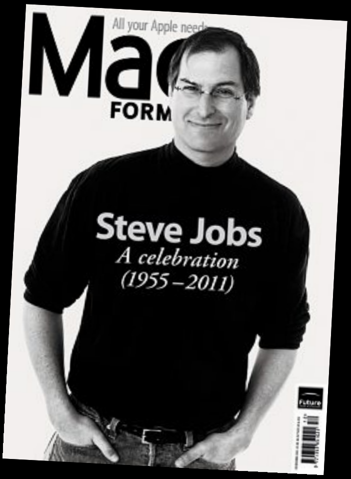
You've only just missed...

Issue 241 / December 2011



Steve Jobs: a celebration
Special tribute to Apple's co-founder

Plus...
50 magical tricks for OS X
iPhone 4S reviewed and rated
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VMware Fusion 4 reviewed
rubiTrack exercise tracker how-to
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>> ACTION ADVENTURE

Batman Arkham Asylum

£30 The Dark Knight and his insane enemies star in what must be the best superhero game ever made

KEY INFO

Developer: Rocksteady Studios
www.feralinteractive.com

REQUIREMENTS

Processor: Intel 2GHz
OS: OS X 10.6.8 **RAM:** 2GB
Disk space: 10GB **Video:** 128MB

PROS & CONS

- + Amazing visuals
- + Superb characters
- + Fun combat
- + Intriguing riddles
- + Amazing set-pieces
- − Wandering can get tiresome

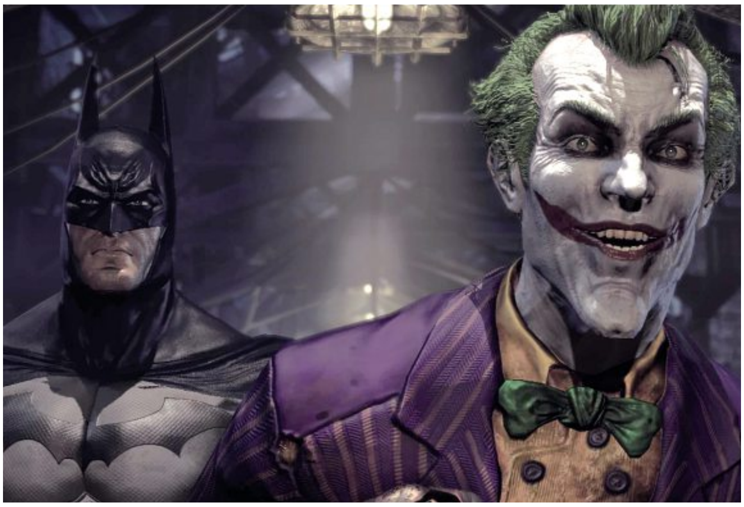
VERDICT

★★★★★

"A magnificent and brooding masterpiece of comic book gaming."

From the very start of the interactive opening credits you know that this game is going to be something pretty special. Having recaptured The Joker and delivered him to the gates of Arkham Asylum, Batman escorts a restrained Clown Prince of Crime and a handful of warders through the halls of the sanatorium. But why was The Joker's capture so easy, and why is he so pleased about it? The answer comes almost immediately as The Joker escapes and sets about taking over the Asylum, leaving Batters and Arkham's workers trapped in a deadly game of cat and mouse.

Not only does this sequence set up the plot, it also introduces the player to the unsettling sights and sounds of the game world he is about to be plunged into. Arkham Asylum is an incredibly well-realised environment. Despite being a state-of-the-art facility and containing all the tech you would expect in such an environment, the building complex itself is a gothic masterpiece. The location is remote and windswept, and the buildings tower above the player at all times. The character models too are impressive, not only in their design but in their detail as well. The game's visual flair creates a brooding atmosphere that is perfect for the subject matter. Surprisingly, the gameplay matches up to the high standard set by the visuals. At *B:AA's* core you'll discover a fairly straightforward action game with Batman's job being to wander around the place, rescuing folk and biffing goons whenever he encounters them. To be honest, the combat, when taking on bad guys, consists of brief spells of button-mashing. But over this are layers of additional tasks, encounters, challenges, spectacular set-pieces and boss encounters.



Batman has plenty of obstacles and enemies to contend with throughout the game.

For example, there's a strong stealth element that chimes beautifully with the Dark Knight's shadowy and fear-inducing *modus operandi*. Enter detective mode and you can see enemies through walls in a sort of x-ray vision style, enabling you to follow their movements and perform stealth kills on them. Additionally, you can swoop down from high places to glide-kick an enemy into submission before using a finishing move on him. What's more, as you gain experience you'll unlock additional skills. The upshot of this is that the combat, which is relatively perfunctory against one or two opponents, becomes varied and satisfying when you're faced with a room full of villains and have to plan how best to take them down.

> *"In one magnificent set-piece Batman experiences a terrifying hallucinogenic encounter with a giant version of Scarecrow"*

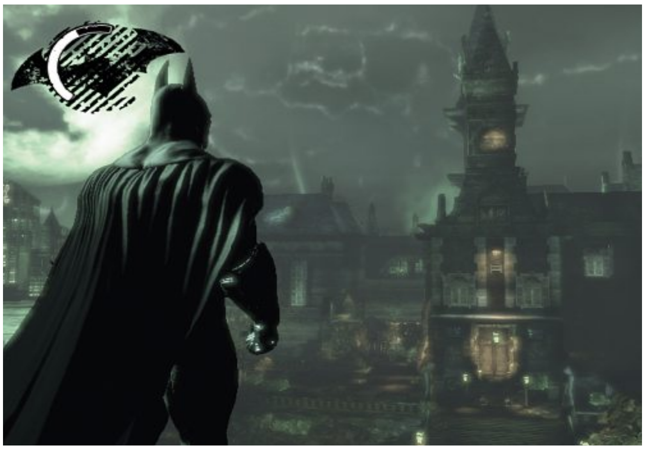
Comic triumph

There are many reasons to explore and replay the game, as the place is littered with Riddler Trophies and conundrums set by Edward Nygma to befuddle Batman. There are also case study recordings to collect that give the player some background into the residents of Arkham.

And the game doesn't just rest on its basic gameplay formula either. In one set-piece Batman experiences a terrifying hallucinogenic encounter with a giant version of Scarecrow, with the camera zooming out to allow for some satisfyingly different platform based play.

Batman Arkham Asylum is a magnificent game, which is thrilling for comic book fans, but also enormously enjoyable for gamers in general. A little too much backtracking across familiar areas is the only criticism we can find.

Andy Dyer



You probably don't want to be hanging around like that for too long, Batters.

>> SPORTS MANAGEMENT

Football Manager 2012

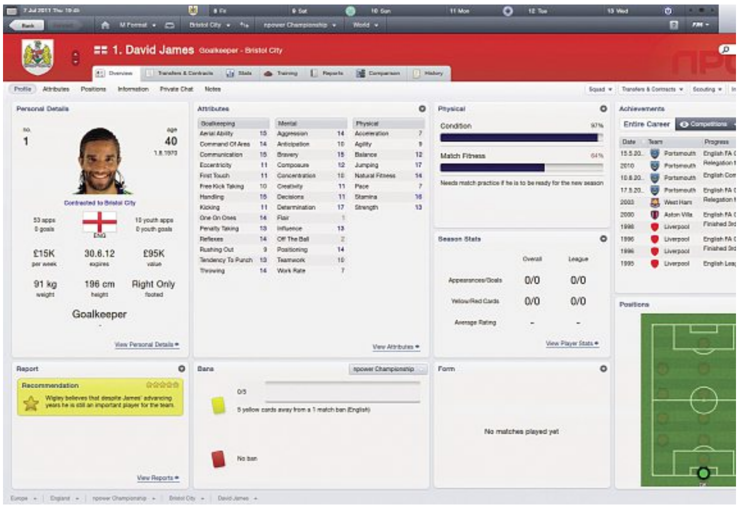
Mac FORMAT Choice ★★★★★

£30 Another year, another slightly fatter, less manageable version? Actually, no…

Loyal fans have kept the faith with the *Football Manager* series. But over time, the addition of ever more levels of detail and micro-management did make the game rather bloated and rendered some aspects of club management a chore.

Recognising this (and perhaps training an eye on the possibility of enticing a new generation of would-be managers into the fold) SEGA and Sports Interactive have tweaked their football management game.

On paper it appears largely unchanged from the 2011 iteration, but the subtle improvements that have been made have altered the game quite substantially.



Looks like David might need a bit of pre-season practice to get his match fitness up to scratch.

Rookie friendly

First of all, it's a lot better for newcomers. That's not to say novice players won't still be utterly bewildered by the array of options, stat screens and day-to-day management tasks to be addressed. But two things have happened that mitigate some of the mental pain. First of all, there's now a comprehensive tutorial section, which, frankly, is a godsend for anyone trying to break into this massive and complex game. In addition, the interface has been tweaked to present the player with as much information on a single screen as possible. The higher you set the resolution the more information you have at your fingertips, which has reduced the amount of time you spend navigating back and forth between screens and menus.

It's still quite a challenge to get to grips with *FM2012* if you're a virgin gaffer. But you now have sufficient help from the tutorial, relatively more clarity in the information delivery and some more intelligent input from your AI assistant to ease your passage from newbie to total convert.

> *"There is more clarity in the info delivery and more intelligent input from your AI assistant to ease you from newbie to total convert"*

The news is good for existing fans too. Allegedly there are more than 800 tweaks and improvements to this version of the game. Well, we'll just have to take their word for that, but a handful of new features are worthy of specific mention.

The in-game graphics have once again been improved and while they're still not quite up to FIFA standards – or indeed anywhere near those lofty heights – matches are sufficiently well animated to be not only visually entertaining but provide useful clues as to where tactical improvements can be made.

Depending on your point of view the changes to the team talks may be a blessing or a curse. You can now set the tone with which you address your players and immediately see their reaction, along with a few words. Yes, it adds another layer of complexity, but we found the process of handling different personalities rather engaging, at least in the short term.

One of the more satisfying tweaks is the increased flexibility in how you play the game. You are no longer locked into the choices you make at the start of the game. You are free to add playable nations whenever you like, so it's quite possible for disgruntled managers to strop off and ply their trade in another country at the end of a season.

These are just a few examples of the many features that have been added, tailored and tweaked. And for the most part, the choices that the developers have made are intelligent and welcome. *FM2012* is the best footy management sim bar none, and the best *FM* game to date.

Andy Dyer

KEY INFO

Developer: Sports Interactive

www.steampowered.com

REQUIREMENTS

OS: OS X 10.5.8 or higher

Processor: Intel **RAM:** 1GB

Video: Geforce 7300 GT, ATI Radeon X1600 or better **Disk space:** 2GB

Other: Internet connection

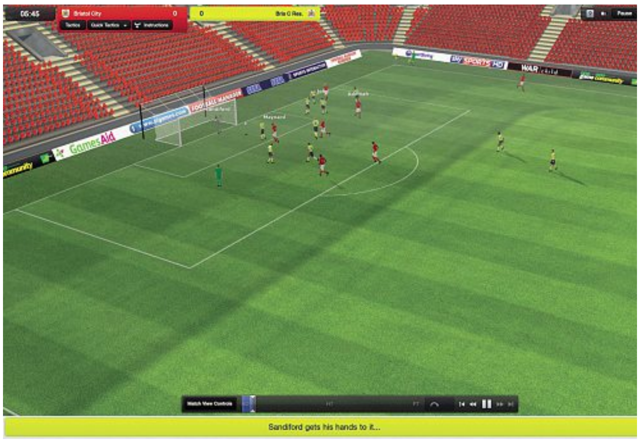
PROS & CONS

- ⊕ Improved menus and screens
- ⊕ Slicker in-game graphics
- ⊕ New team talk options
- ⊕ Increased mobility for managers
- ⊕ Countless tweaks
- ⊖ Still tough for beginners

VERDICT

★★★★★

"The best and most accessible version of the game yet."



While it's not quite like being in the stands, matches are pretty satisfying to watch.

>> REAL-TIME STRATEGY

Nuclear Dawn

£17 A FPS and a real-time strategy fusion

KEY INFO

Developer: InterWave Studios
www.steampowered.com

REQUIREMENTS

OS: OS X 10.6.7 or later
Processor: Intel Core 2 Duo 2.4GHz
RAM: 2GB **Disk space:** 6GB

PROS & CONS

- + Unique blend of FPS and RTS
- + Superb looks
- − No interactive tutorial
- − Needs a single player campaign

VERDICT

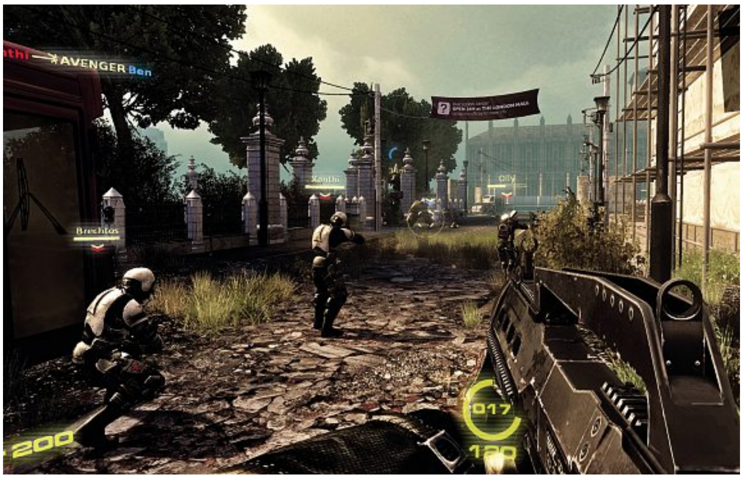
★★★★☆

"Does well what it sets out to do, but no single player offering is disappointing."

This game splices together two distinct genres: first-person shooter and real-time strategy. And the result feels nothing like a grotesque Frankenstein's monster whatsoever.

The first thing to mention is that there is no single player campaign, no AI players and only a few cursory video tutorials to get you started. Novices will find it unforgiving, but perseverance is the key because the payoff is satisfying.

The action takes place over a number of maps set in major cities that have been decimated by nuclear conflict. You must join a faction and engage in team battle in order to capture resource points, take out enemies and destroy the enemy command bunker. In a first-person role, you can choose from four classes. What's unique here is that you can also be an elected commander and so control the map in RTS mode from the command bunker. In doing so you can build power stations, arms caches, spawn points and gun turrets, as well as issue orders to units, thus choreographing the battle from above.



London has seen better days. It's time to rescue it from the clutches of the evil Empire.

It's a neat idea that's slickly executed. And while £17 is a little steep considering the lack of game types and the absence of singleplayer options, this is still a mightily impressive online game. But only if you can take the time to become adept enough to enjoy it fully.

Andy Dyer

>> ACTION ADVENTURE

Tomb Raider II

£5.49 The adventuress returns

KEY INFO

Developer: Aspyr Media
www.aspyr.com

REQUIREMENTS

OS: OS X 10.6.6+ **Processor:** GeForce 7300, Radeon X1600 or better
RAM: 512 GB **Disk space:** 241MB

PROS & CONS

- + A little piece of history
- + A big BIG game
- − Looks very old
- − Controls are clunky

VERDICT

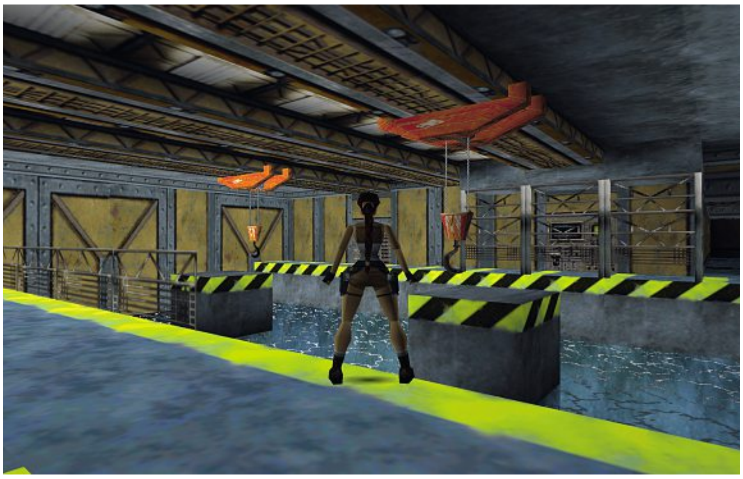
★★★☆☆

"This is riddled with creaks but it's a welcome chance to revisit the game."

Suspension of disbelief is a wonderful and powerful thing, whether you're piloting a spacecraft into a space station or battling the hordes of hell on a Martian moonbase and feeling suitably terrified to boot.

Imagine my shock then, to discover that the game character I felt guiltily attracted to 14 years ago is actually a barely humanoid assemblage of polyhedral parts that wouldn't look out of place in a crate of LEGO.

Yes, Lara Croft fans, *Tomb Raider II* has resurfaced on the App Store, and time has not been kind to her or her game. That's not to say it's not worth the asking price. It's been a joy revisiting the exotic locations and slightly surreal situations Lara found herself in during her second adventure, and we have no doubt that most fans of the series will be equally thrilled by a trip down memory lane. However, younger gamers, who are accustomed to slick third-person fare such as *Prince of Persia*, *Assassin's Creed* and *Uncharted*, might find *Tomb Raider's* slow pace, blocky visuals and fiddly controls extremely tiresome.



These moving hooks can prove deadly so Lara must time her jumps carefully.

That said, less casual gamers who take an active interest in the provenance of the current crop of PS3 and Xbox 360 adventures will doubtless be fascinated by *Tomb Raider II*. As the gameplay reminds us, this was, in its day, an important piece of landmark gaming.

Andy Dyer

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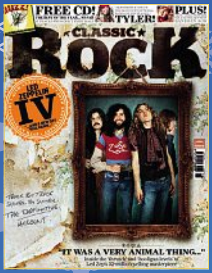

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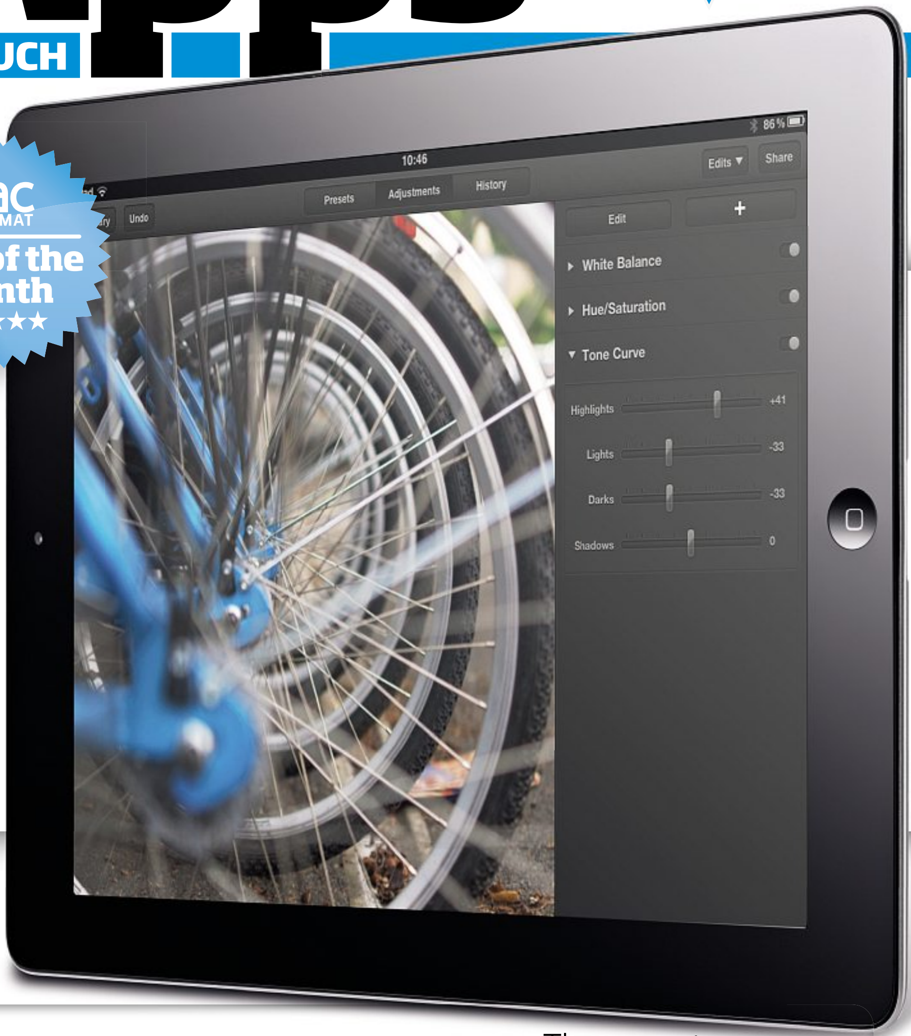
World of Apps

>> THE BEST iOS APPS HERE

Whether you've got an iPhone, iPod touch or an iPad, this is the best place to come to discover great new iOS apps and get the latest tips!

Reviews by: Graham Barlow, Laurence Cable, Andy Dyer, Tim Hardwick

>iPAD >iPHONE >iPOD TOUCH



Mac FORMAT App of the month ★★★★★

Luminance

Graham recommends: "The iPad makes an ideal digital photographer's companion because it shows off your work perfectly. And while your photos are on there you'll want to improve them – and that's what this app does amazingly well. The Adjustments menu gives you some of the power of *Photoshop* for a tiny fraction of the price. I'd say about 80% of everything you need to fix a photo is here."

Price: 69p **Version:** 1.1 **Works with:** iPad, iPhone, iPod touch

Must-have apps

Three great apps you shouldn't miss out on this month

Find My Friends

£FREE Keep track of your mates

Developer: Apple **Works with:** iPad, iPhone, iPod touch

Thanks to Apple's *Find My Friends* app you can now keep track of where your iOS device-owning friends are on a Google Maps-style map. For the app to work they need to sign up, and you need to follow them. And don't worry – nobody can follow you unless you accept their request!

GarageBand

£2.99 A studio in your pocket

Developer: Apple **Works with:** iPad, iPhone, iPod touch

GarageBand on the iPad is one of our favourite apps, and now Apple has brought it to the iPhone too! Even though it's on the iPhone it still offers the same 8-track recording studio and all the Touch Instruments. Of course, they're harder to play on the smaller screen, but it's still great fun.

iTorch4

£FREE Use your iPhone as a torch

Developer: Pixelinlove Ltd **Works with:** iPhone, iPod touch

This is one of the simplest iPhone apps in existence, but also one of the most useful. It turns your iPhone into a handy torch by turning the camera flash on permanently. It's actually pretty effective and you'll find always having a torch with you useful in all sorts of situations.

Tap! APPS | GAMES | KIT THE iPHONE & iPAD MAGAZINE

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INSIDE EACH ISSUE:
❯ The latest essential apps and games
❯ New kit for iPhone, iPad & iPod touch
❯ Learn to use your device with our guides

>> BARCODE SCANNER

RedLaser

£FREE Barcode scanner gets an update

Developer: eBay Inc **Version:** 3.0.0 **Works with:** iPhone, iPod touch, iOS 4.0 or later

A barcode scanner isn't the most exciting app, but you'll find it is one of the most useful. Before we go further, a caveat: this app collects and sends a huge amount of personal data to eBay when you use it. If you're comfortable with this, read on; if not, don't bother with *RedLaser*.

It's worth having as a simple price-comparison tool but we like the new lists feature – brilliant for Christmas shopping for yourself or others, especially given how easily you can share listings.

VERDICT
★★★☆☆
"If it didn't send so much data to eBay, this would be a 5-star app."

>> MUSIC FINDER

Wall Of Sound

£FREE Find new music and rediscover old favourites

Developer: Fred Sigal **Version:** 1.0.2 **Works with:** iPhone, iPad, iPod touch

Wall Of Sound helps you rediscover tracks on your device you forgot about, and enables you to find new music, all on one tactile screen. Browseable tiles of album artwork depict each collection of tunes – tap it to play (although you can't look at what a tile is without playing it). If it's something you've got in your music library, you get the full tracks, otherwise you get the iTunes Store preview and a link to buy the songs. We spent hours playing with this app and love it.

VERDICT
★★★★½
"A fantastic way to explore your music and find new tunes."

>> NEWS APP

Newstream

£1.99 A nifty little newspaper – especially for you

Developer: Alexei Gubanov **Version:** 1.2 **Works with:** iPhone, iPod touch, iOS 3.1.2 or later

There are loads of ways to read the news on your iPhone. *Loads*. So *Newstream* has done well to find a niche for itself, by creating what is, in essence, a personalised newspaper that looks like a printed edition.

It's incredibly simple to set up, add to and looks really rather lovely (not too dissimilar to *Pulp* on the iPad, in fact). The text is clear and large enough to read comfortably, though there isn't a way to enlarge it, annoyingly. Still, it comes highly recommended.

VERDICT
★★★★☆
"Get the news you want, packaged in a fantastic way."

>> SEARCH ENGINE

Bing

£FREE More than just a search engine… when it works

Developer: Microsoft Corporation **Version:** 3.0 **Works with:** iPhone, iPod touch, iOS 4.0 or later

Bing's new UK app duplicates things your iPhone already does (maps, directions, weather) as well as stuff other apps can do (get news, find local amenities, search images). This is no bad thing, but it's not so reliable. When we asked how to get to 'Heathrow Airport', it sent us to Florida. It then gave our nearest cashpoint as 11 miles, when there are several we walk to nearby! Disappointing, seeing as when we got the directions to work it was very good.

VERDICT
★★☆☆☆
"It looks nice, but struggled to deliver the straightforward."

Apps round-up

Tim's guide to the best retro games available on iTunes store:

The mobile gaming craze of late has brought us some innovative titles that make best use of the platform's touch-based hardware. But it's also seen developers scour the tomes of gaming history in search of classics to resuscitate. The biggest barrier to success here is implementation: do the retro joypad/joystick controls translate well to a multi-touch and accelerometer-based input system? Here's a handful of classic titles that successfully made the switch…

id Software's ***Doom Classic* (£2.99)** avoids the frustrating on-rails approach of other iOS first-person shooters, leaving you as free to roam as the day hell first spewed out its despicable hordes on Earth.

***Pinball Fantasies* (£1.99, Cowboy Rodeo)** was acclaimed back in its time for its accurate ball and table physics, and has already earned a reputation as the finest pinball arcade simulator on iOS.

Two decades ago, platform game ***Another World*** redefined the genre with its use of vector-based cinematics, cut-scenes and merciless difficulty level. Now tagged ***20th Anniversary* (£2.99 Bulkypix)**, the iOS version offers you a choice of on-screen D-pad or touch controls – both of which don't make the game any harder!

Finally, ***Street Fighter II* Collection (£2.49, Capcom)** adopts an on-screen joypad and hit buttons that still allow for as many hadokens as your blistered digits can muster. Knock yourself out!

Keep your life in sync

Use iCloud to sync email, calendars, docs and more

KEY INFO

DIFFICULTY
Beginner

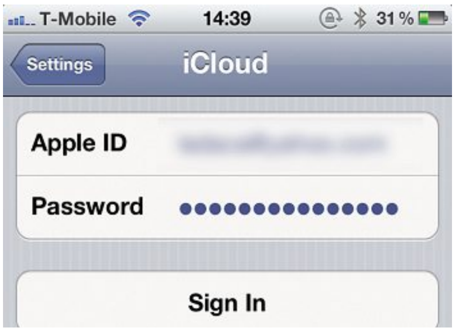
TIME NEEDED
20 minutes

WHAT YOU'LL NEED
iPhone, iPad or iPod touch, iOS 5

With the help of Apple's free online storage system iCloud, you need never be without your important files or information ever again. This is because it stores your stuff online and pushes it to all your linked devices: so if you create a document, or add an *iCal* reminder on your Mac, it'll appear on your iPhone, iPad or iPod touch, as if by magic. We're going to show you how to set it up on your portable device and look at the key features. To use it, you need to be running iOS 5 – go to Settings > General > About > Version to check. If the number starts with a 4, you'll need to connect it to your computer, click it in *iTunes* and then click **Check for Updates**.

T-Mobile
14:51
28 %
iCloud
Set up iCloud on this device
Install Find My iPhone
Install Find My Friends

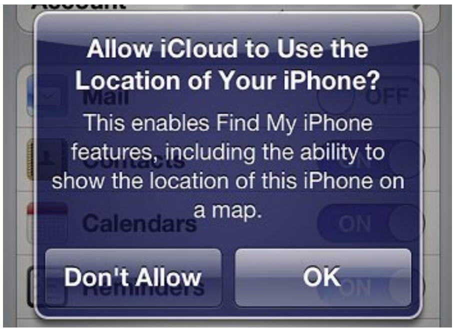
HOW TO / Get the most out of iCloud



Apple ID [redacted]
Password ●●●●●●●●●●●●●●●

01 Set it up

Go to Settings > iCloud. If you see a **Sign In** button, tap in your Apple ID and password, then tap to log in. You'll then be asked if you'd like to upload and merge various data on your iPhone to iCloud. If you're happy doing this, tap **Merge** and wait for it to synchronise.

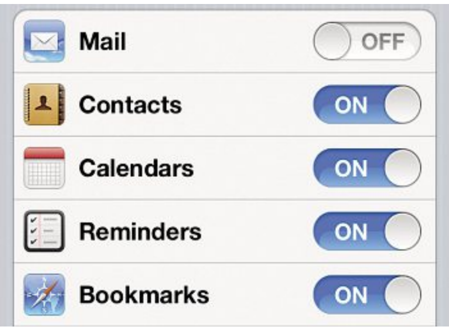


Allow iCloud to Use the Location of Your iPhone?

This enables Find My iPhone features, including the ability to show the location of this iPhone on a map.

02 Location, location, location

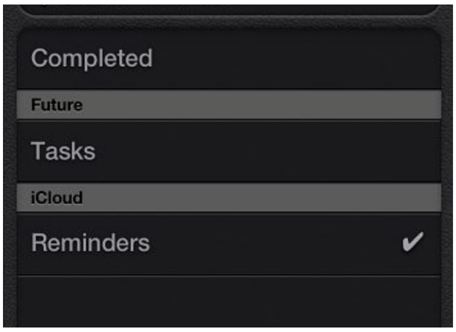
Next, you'll need to decide if iCloud can access the geographical location of your phone. We recommend you tap **OK**, because this will enable you to pinpoint it on a map if you ever misplace it. You'll now see your main iCloud settings.



Mail OFF
Contacts ON
Calendars ON
Reminders ON
Bookmarks ON

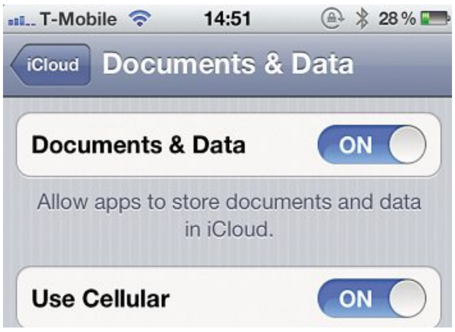
03 Take your pick

Now choose which things you'd like kept in sync with any other devices or computers you've linked to iCloud. Note that to use iCloud *Mail*, you'll need to set up a free @me.com address. You can't use it with other email systems such as Gmail or Hotmail.



04 Use it!

The brilliance of iCloud is that it will do all the work for you automatically. So when you add something in the *Reminders* app on your iPhone (tap the button with three lines on it to make sure you add to the iCloud list), it will appear in iCal's *Reminders* list on your Mac.



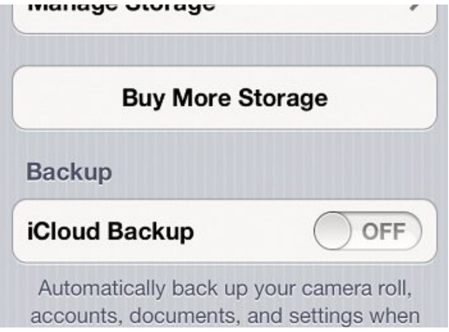
Documents & Data ON

Allow apps to store documents and data in iCloud.

Use Cellular ON

05 Documents and data

With the **Documents and Data** setting set to **On**, compatible apps, such as *iWork's Pages*, *Keynote* and *Numbers*, can store your documents in iCloud, meaning you can get at them using your Mac, as well as any iOS devices you have.



iCloud Backup OFF

Automatically back up your camera roll, accounts, documents, and settings when

06 Storage space

You get 5GB of free storage on iCloud, and can buy more via Settings > iCloud > Storage & Backup. Here, you can also opt to back up important data from your device to iCloud rather than your Mac. See the Backup section for more on how this works. ●

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INSIDE EACH ISSUE:
❯ The latest essential apps and games
❯ New kit for iPhone, iPad & iPod touch
❯ Learn to use your device with our guides

»SPORTS PUZZLER

Worms Crazy Golf HD

£2.99 This classic game goes all Tiger Woods

KEY INFO

Developer: Team 17 Software Ltd
Version: 1.03
Works with: iPad, iOS 3.2+

PROS & CONS

- ⊕ Classic Worms world
- ⊕ Well-designed courses
- ⊕ Variety of challenges
- ⊖ Play is sluggish

VERDICT

★★★★☆

"Inventive, totally more-ish and brilliantly playable."

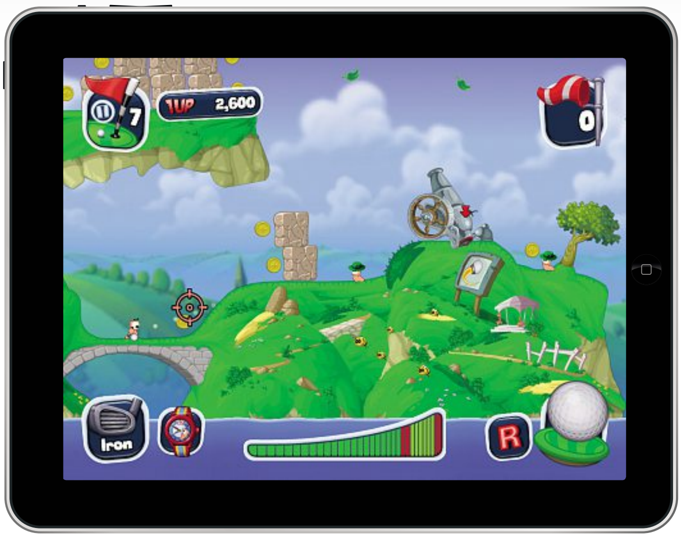
To some, Team 17's *Worms* series is a much-loved old friend. While not always around, it makes a surprise visit now and again, seems never to have aged, and you're able to pick up right where you left off.

To others, it's someone you once ran into on a night out, thought was hilariously good company, but in the intervening years you've realised they have absolutely nothing new to contribute to the relationship.

Whichever category you fall into, *Worms Crazy Golf* should be a pleasant surprise. A glance at the screens might fool you into thinking this is just another turn-based combat game in which the little earthworms fire an assortment of artillery at each other. But here, instead of trying to kill stuff, you're actually playing golf, with the added bonus of having to avoid hazards and kill stuff along the way.

There are four 18-hole courses and as you play through the career mode you will be required to use cannons, teleports, transports and magnets to get your ball to the flag while also attempting to collect coins, kill enemies for bonuses, destroy boulders, compensate for wind and so on.

A slight pause between shots causes the play to be a little sluggish and the various available challenge levels seem to drag on for far too long. But otherwise, this is enormously addictive and a frankly welcome departure from the slightly tired *Worms* formula.



Get your ball into that cannon to send it flying up to the higher reaches of the course.

»FLIGHT COMBAT

Sky Gamblers: Rise of Glory

£2.99 Step into the shoes of a flying ace

KEY INFO

Developer: Namco Networks America
Version: 1.0.1
Works with: iPhone, iPod Touch, iPad, iOS 3.1.3 or later

PROS & CONS

- ⊕ Excellent dogfighting
- ⊕ Challenging missions
- ⊕ Online battles
- ⊖ Bland scenery

VERDICT

★★★★☆

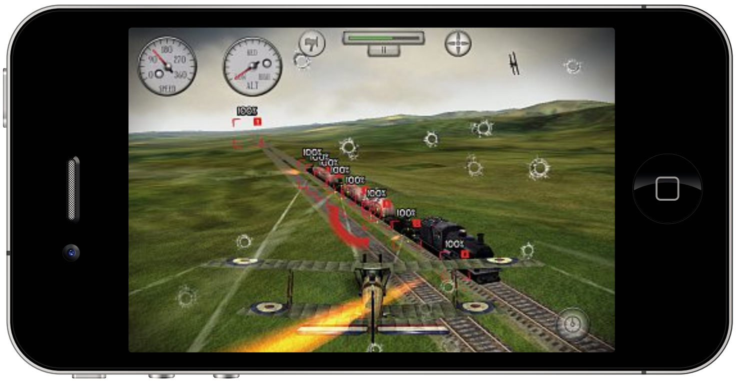
"A great recreation of WWI dogfighting in old prop-driven kites."

It might be an old cliché that less is more, but in the case of certain activities it's absolutely spot on. Because while the idea of flying a thoroughly modern jet fighter at phenomenal speeds is undoubtedly appealing for a lot of people, the reality is actually a rather clinical and detached experience (we're talking about videogames here, and not real life, obviously).

Aerial dogfighting is a much more satisfying affair when you're sitting inside at least 600 kilos of wood, string and grease, with your head exposed to the elements and bullets whizzing visibly past your goggles. And it's precisely this experience that *Sky Gamblers* recreates almost perfectly.

The game's singleplayer mode sees you piloting a series of WWI fighter planes through increasingly challenging missions. You might be called upon to destroy some trains, take out scouting planes, drop cargo and, of course, engage enemy fighters. The dogfighting itself, once you've mastered the tricky but well-implemented tilt and touch control system, is enormously satisfying. And although the scenery is a little bare, swooping through the clouds using dexterity and cunning to outwit your foes, one-to-one, creates a potent and authentic atmosphere.

But what's best of all about *Sky Gamblers* is you can effortlessly hook up with other players online for a superb every-man-for-himself or team deathmatch multiplayer offering. Chocks away!



Take out the supply train as tracer bullets whizz by - or more often, rip through - your kite.

The game is designed to work with the Cars 2 AppMATes toys from Disney.

>> KIDS GAME

Cars 2 AppMATes

Mac FORMAT Choice ★★★★★

£FREE Take your favourite Car for a spin on the track!

Developer: Walt Disney **Version:** 1.0.3 **Works with:** iPad

This app works in conjunction with Disney's AppMATes toys. These are little *Cars 2* characters that have capacitive sensors on the bottom so that they interact with your iPad's screen. The app then becomes a virtual playmat that you can drive around and explore with your toy. You need to keep in the centre of the screen to drive anywhere, which is a bit unintuitive, but you soon get used to it. As you drive around Radiator Springs you collect tyres, which enables you to buy upgrades for your car and go on races against the other characters. It's such an original idea your kids will love it.

VERDICT

★★★★★

"A very innovative iPad app and great fun for kids of all ages."

>> TWEETS APP

zeebox

£FREE TV tweets made simple – just don't miss the show!

Developer: zeebox Ltd. **Version:** 1.0.1 **Works with:** iPad, iOS 4.2 or later

Facebook and Twitter have turned TV into a social experience, even if you're watching by yourself. A glance at Twitter feeds during *X Factor* or *The Apprentice* provides a running commentary of the show. *zeebox* taps into this by putting tweets alongside a TV guide, with a chart showing the current audience, as well as what your *zeebox*-using Facebook friends are watching. This is a great free app, but means you miss the show because you're so engrossed in the tweets!

VERDICT

★★★★½

"All you need to turn TV into a truly social experience."

>> SAT-NAV APP

TomTom UK & Ireland

£50 The best iOS sat-nav app now on the iPad

Developer: TomTom **Version:** 1.9 **Works with:** iPhone, iPad, iPod touch, iOS 4.0 or later

TomTom is still the best sat-nav app on iOS, and it's just been supersized for the iPad. You'll need a 3G iPad to use it, and somewhere safe to mount the device in the car (or you could just hand the iPad to your passenger). The big buttons on the iPad are ideal, but because this chunkiness hasn't been applied throughout, it does feel a little bit half-baked. And despite promising the latest maps, changes that were made to some roads over a year ago still don't feature.

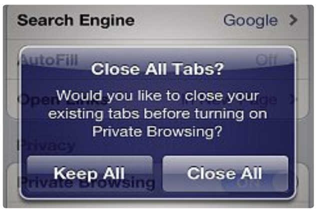
VERDICT

★★★½☆

"The best iOS sat-nav app, but only some bits fit the iPad."

Essential iOS Tips & tricks

Explore the new features of iOS 5 on your magical device

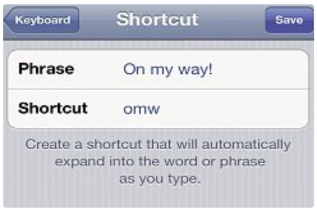


Close All Tabs?

Would you like to close your existing tabs before turning on Private Browsing?

01 Private browse

Apple now includes a **Private Browsing** feature in iOS 5, so that people won't know what presents you're buying them. In Settings go to *Safari* and swipe on **Private Browsing**. Now there will be no trace of what you're browsing.



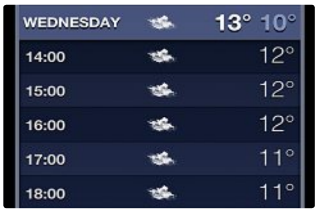
Phrase: On my way!

Shortcut: omw

Create a shortcut that will automatically expand into the word or phrase as you type.

02 Shortcuts

Do you find yourself typing the same long phrase a lot in your emails and texts? Go to Settings > General > Keyboard > Add New Shortcut… to define your own text shortcuts that will transform into whole phrases as you type.



WEDNESDAY 13° 10°

14:00 12°

15:00 12°

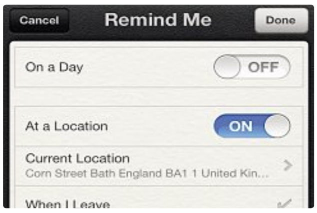
16:00 12°

17:00 11°

18:00 11°

03 More weather

iOS 5 has added some new features to the *Weather* app. You can now swipe your finger downwards for an hourly breakdown, and don't miss its stripe in Notification Centre - swipe sideways for a seven-day forecast.



On a Day: OFF

At a Location: ON

Current Location: Corn Street Bath England BA1 1 United Kin...

When I Leave ✓

04 Reminders

Location-based reminders are now active in iOS 5. Open the *Reminders* app and create a new reminder, then tap on it and turn on **At a location**. Then tap **Current Location** and whether to remind you when you leave or arrive.

AHEAD OF THE CURVE

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THE 10 BEST APPS
FOR MAKING YOU LAUGH
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www.tapmag.co.uk/app

Available on the App Store

01
02
03
MacBook Pro

[01] ArtRage Studio Pro 3
$80 (£50) Fun and powerful.

[02] Illustrator CS5.1
£619 Infinitely scalable.

[03] Painter XII
£274 The natural media master.

Six of the best

Words: Rob Carney

You can be an artist with one of these digital painting apps. There's a tool for every budget…

Natural media painting software (software that enables you to replicate the look and feel of real materials in some way or another) is a brilliant way to express your artistic flair without getting your hands covered in oils, gouache or messy pastels. Digital painting is now more sophisticated than ever, and with Wacom tablets cheaper and more accessible, there's no reason not to start painting on your Mac.

Whether you want to do quick sketches, transform photos into digital paintings or create a full-blown digital masterpiece using 'oil paint', there are a number of tools available. These range from the inexpensive and easy, to the more complicated, requiring a bit more of an investment in cash and time.

There are a few types of digital painting apps covered in this group test. First, there are apps that are all-out painting apps. Think *Corel Painter XII* and *ArtRage Studio Pro 3* – apps dedicated to those wanting to replicate the look and feel of traditional art materials. Then there's *SketchBook Pro*, which, despite its sophisticated toolset, is aimed at getting ideas down quickly. *Illustrator* is an interesting one: while it isn't generally perceived as a 'digital painting app', it does have many brushes and tools that can replicate the look and feel of paint.

"Digital painting is more sophisticated than ever – there's no reason not to start painting on your Mac"

The brushes in *Photoshop* have been used by professional digital artists for many moons. Its highly customisable brushes come with a huge image-editing toolset. And then there's *Studio Artist*. This app is very different to the rest, automating the painting process to some extent.

Keep reading to find out which application we rank as the best for digital painting. »

Fractal Design
Painter
Natural Painting Software by Mark Zimmer & Tom Hedges
Personalized for:
Version 1.2
FRACTAL DESIGN CORPORATION

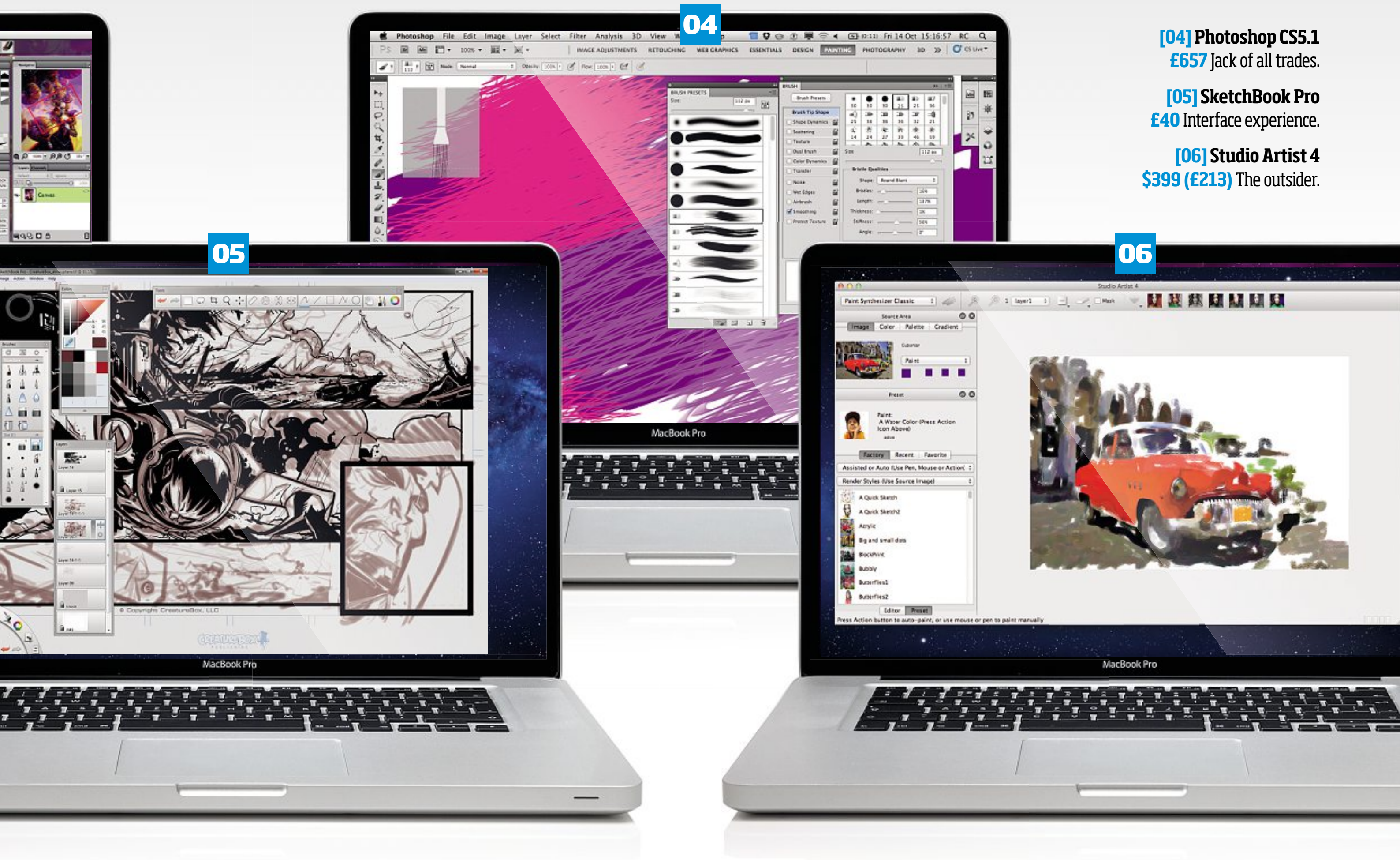
» DID YOU KNOW THIS?

Painter was the first natural media painting app for consumers. It was released by Fractal Design, founded by Mark Zimmer and Tom Hedges in 1990.

[04] Photoshop CS5.1
£657 Jack of all trades.

[05] SketchBook Pro
£40 Interface experience.

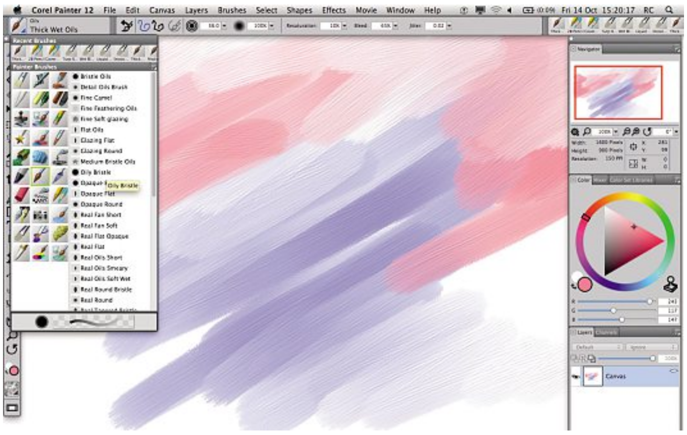
[06] Studio Artist 4
$399 (£213) The outsider.



digital art apps

DIGITAL APPS / At a glance

	ArtRage Studio Pro 3	Illustrator CS5.1	Painter XII	Photoshop CS5.1	SketchBook Pro	Studio Artist 4
Price	$80 (£50)	£619	£274	£657	£40	$399 (£213)
Wacom support	Yes	Yes	Yes	Yes	Yes	Yes
Vector graphics	No	Yes	Yes	Yes	No	Yes
Customisable interface	Limited	Fully, with saved workspaces	Fully, with saved workspaces	Fully, with saved workspaces	Limited	Fully, with saved workspaces
Oil paint simulation	Yes	No	Yes	No	No	Yes
Watercolour simulation	Yes	No	Yes	No	No	Yes
Website	www.artrage.com	www.adobe.com	www.corel.com	www.adobe.com	http://usa.autodesk.com	http://synthetik.com
OS	OS X 10.4	OS X 10.5.7	OS X 10.5	OS X 10.5.8	OS X 10.5	OS X 10.4.1



Painter can replicate oils, watercolours and any other medium you can think of.

>>TEST ONE

Real media

How realistic are the results in these applications?

While all of these tools can replicate the look and feel of natural media, there is one app that stands out. You name it and *Painter* can reproduce it digitally. From thick oil paints that you can thin with turps, to watercolour that bleeds differently depending on the paper you've chosen, the results you get are truly stunning.

But a close second is *ArtRage*. The Oil brush is probably most impressive, laying down thick, textured paint that can be blended with ease. Laying down a blob of paint with the Paint Tube and then spreading it across the canvas with the Palette Knife produces incredible results. *Studio Artist* is also capable of some wonderfully realistic natural-media effects, especially when it comes to turning a photo into a painting. *SketchBook Pro*, *Photoshop* and *Illustrator* are all capable of producing results that feel realistic enough, but nothing on the level of *Painter* or *ArtRage*.

>>TEST RESULTS

ArtRage Studio Pro 3	★★★★☆
Illustrator CS5	★★½☆☆
Painter XII	★★★★★
Photoshop CS5.1	★★★☆☆
SketchBook Pro	★★★☆☆
Studio Artist 4	★★★½☆

>>TEST TWO

Range of tools

How many are there? What about unique features?

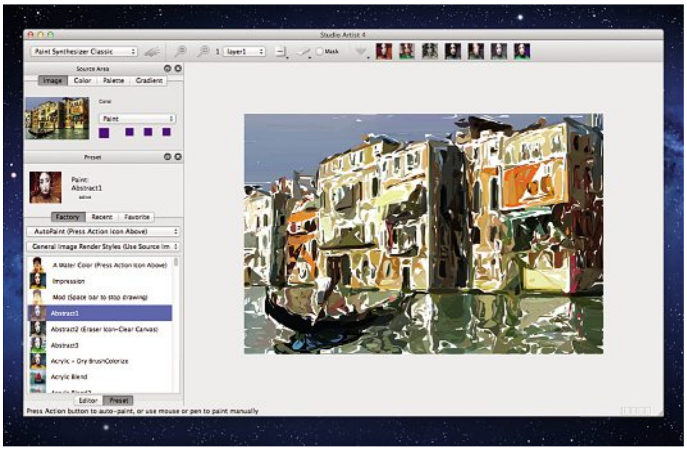
The app that sticks out (possibly the tool aimed at those least experienced in painting) is *Studio Artist*. It's a brilliant piece of software, but rather than use brushes, it uses presets – including sketch effects, oils, and any kind of media you could imagine. It uses these to repaint a photo automatically (or you can apply strokes manually). *Studio Artist* is much more than this though – it's also a vector app and an animation app.

More traditionally in terms of software, *Painter* has a vast amount of brushes and tools. It boasts everything from pencils to acrylics, chalks and pastels.

SketchBook Pro has a vast amount of options for customising and creating your own tools. *ArtRage* has oils, watercolours, inks and lots more. *Photoshop's* highly customisable brush toolset can certainly be powerful in the right hands, and *Illustrator* is of course fantastic for creating natural media strokes that are infinitely scalable.

>>TEST RESULTS

ArtRage Studio Pro 3	★★★½☆
Illustrator CS5	★★★☆☆
Painter XII	★★★★½
Photoshop CS5	★★★★☆
SketchBook Pro	★★★★☆
Studio Artist 4	★★★★½



Studio Artist has a plethora of presets to generate a painting from a source image.

>>GRAPHICS TABLET / Why you need one

A graphics tablet is a no-brainer when working in digital painting apps. Think how clumsy a mouse is and you'll soon realise that having an input device that's made for the job is almost essential.

At the lower end of the market is the Wacom Bamboo. Costing around £50, the Bamboo is a fantastic entry point into graphics tablets. You even get a cut-down version of *Painter* and *ArtRage* (not the *Pro* edition) with it. Then there's the more expensive (and pro-orientated) Intuos range. These go from A5 to A3 and can cost up to £560. So they aren't cheap, but if you are serious about digital painting they are a real investment.

And then there's the Cintiq range. These are interactive displays that enable you to draw directly onto a screen. There are three models currently available: the 12.1-inch 12WX, the 21-inch 21UX and the brand new 24-inch 24HD. The latter is a remarkable bit of kit – but will cost you around £2,000. It's certainly aimed at pro artists, but if you're flush, it's a lovely way to paint. See **www.wacom.eu** for more.

It costs more than a MacBook Pro, but the Cintiq 24HD is great.

>>TEST THREE

The interface

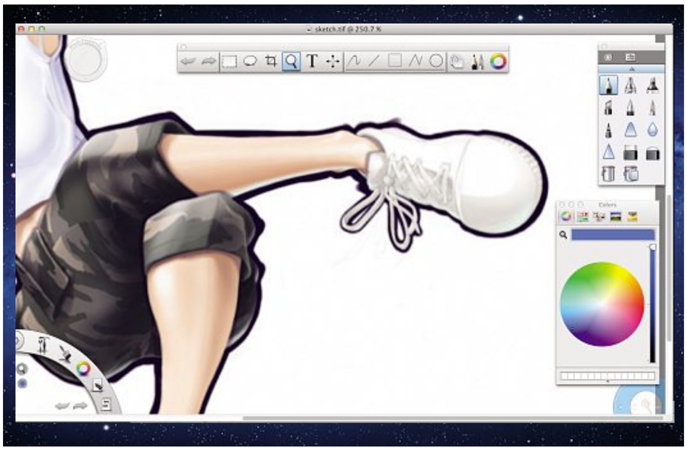
How do the different interfaces measure up?

SketchBook Pro and *ArtRage Studio Pro* feel very similar, utilising small, context-sensitive tools nestled in the corners of the interface in a semi-circle. *ArtRage*'s icons are large, and its icon-based palettes enable you to quickly access features such as layers. But *SketchBook Pro*'s accessible interface is its killer feature and outclasses all other apps here when it comes to digital painting and sketching.

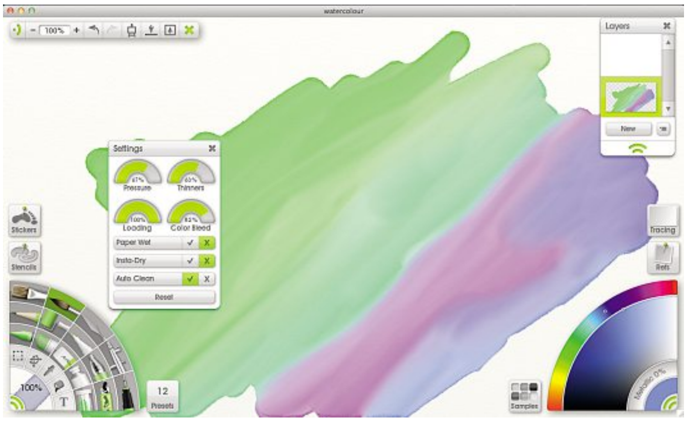
The user interfaces of *Painter*, *Adobe Photoshop* and *Illustrator* are all very similar – and very standard. But *Painter XII*'s new Temporal Color Palette is usefully placed, floating above your canvas and enabling you to select colours very quickly. *Studio Artist* has its own unique interface and can take a lot of time to get used to. The basics are easy – hit the Action button after assigning a preset, for example – but as you progress through the application, some of the dialogs become hard to fathom. Luckily, there's an excellent manual.

>>TEST RESULTS

ArtRage Studio Pro 3	★★★★½
Illustrator CS5	★★★½☆
Painter XII	★★★½☆
Photoshop CS5	★★★★☆
SketchBook Pro	★★★★★
Studio Artist 4	★★★☆☆



SketchBook Pro's interface is clean and simple, so you can concentrate on sketching.



ArtRage Studio Pro makes it simple to just open up a window and start painting.

>>TEST FOUR

Ease of use

How easy is it to get started painting in the apps?

Of all the apps here, *ArtRage* is the easiest to get started with. The wonderfully designed interface and easy-to-use tools make it a cinch to start painting right away. And it's rewarding, too. The way the app lays down watercolours, oils and so on feels like you are getting somewhere with your digital art. Even if you can't paint for toffee, *ArtRage* somehow makes you think you can. You don't need any kind of manual – everything is put together intelligently and it just works.

Sketchbook Pro is a little trickier. While its interface is undeniably genius, it can take a little while to get used to. *Photoshop*, *Illustrator* and *Painter* do take some time to master. The sheer amount of tools on offer can be intimidating to beginners. But with *Photoshop* and *Illustrator*, of course, you get more than a painting app. *Studio Artist* is hard to judge. It's easy to get started creating paintings from your photos, but its sheer range of presets and options can confuse.

>>TEST RESULTS

ArtRage Studio Pro 3	★★★★★
Illustrator CS5	★★☆☆☆
Painter XII	★★★☆☆
Photoshop CS5.1	★★☆☆☆
SketchBook Pro	★★★★☆
Studio Artist 4	★★★½☆

>>THE WINNER Painter XII

As an all-round imaging tool, *Photoshop* is the best there is. But when it comes to digital painting, its brush set isn't as comprehensive as that of *Painter*. And *Illustrator CS 5.1*, although taking a bit of a back seat in this test, is an amazing tool for creating fluid brush strokes.

ArtRage and *SketchBook Pro* never fail to impress – thanks to their intuitive interfaces and ease of use. *Studio Artist* can help you create incredible artwork – it just takes a while to master. But in the end, the winner has to be *Painter*. The original natural media painting app has gone from strength to strength under Corel and release XII is just excellent. An amazing array of brushes and tools make it a must have for any digital artist.

>>FINAL RESULTS

ArtRage Studio Pro 3	★★★★☆
Illustrator CS5	★★★½☆
Painter XII	★★★★½
Photoshop CS5	★★★½☆
SketchBook Pro	★★★★☆
Studio Artist 4	★★★★☆

Mac FORMAT
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"Apple itself has a surprisingly little-known online bargain basement"

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HOW TO BUY

How to buy a new Mac 122

TOP GEAR

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Digital video cameras 125
Routers/networking 125
Storage 125
Home office 126
Visual tools and layout 126
System utilities 126
Multimedia software 126

Buyers' Guide

ALL THE BEST KIT TO GO WITH YOUR MAC

Tim Hardwick
Production Editor

Our main feature, starting on page 32 this month, is all about buying the perfect Mac for Christmas. Given that, we didn't think there was much point repeating the information here in the Buyers' guide. But we've still listed some great accessories to buy for your Mac, and details of the various ways you can buy the Mac itself.

Here at *MacFormat* most of us bought online. Graham went for a white MacBook from the Apple Online Store. Alex also bought a white MacBook, but chose to save a few quid by buying from the refurb section, which can be found at **http://store.apple.com/uk/browse/home/specialdeals**.

Ian bought online, and used the custom options to tailor his last Mac to his needs. I opted for a refurbished 15-inch MacBook Pro online, but Laurence got his 13-inch MacBook Pro from a bricks-and-mortar Apple Store in Holland. He always has to be different!

>> BUYING ADVICE YOU CAN TRUST

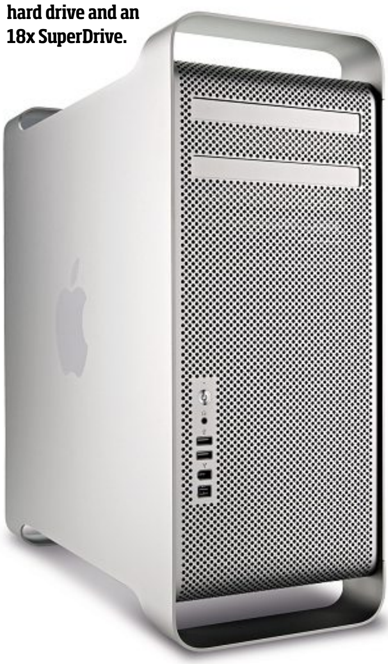
Our mission is to ensure that when you buy a Mac-related product, you are completely informed about its best and worst features. We have a cast-iron policy of editorial independence. **For the latest prices and full review see the TechRadar URL listed next to each review.**

How to buy a new Mac

Not sure which Mac to buy? We'll help you choose!

» DID YOU KNOW THIS?

The Mac Pro is also available in a Server Edition. Out of the box, it boasts a 2.8GHz CPU, two 1TB hard drives, 8GB of memory and OS X Lion Server preinstalled.



The Mac Pro offers an ATI Radeon HD 5770 with 1GB GDDR5 graphics card, a 1TB hard drive and an 18x SuperDrive.

The mid-2011 refresh brought quad-core Sandy Bridge processors to the iMac range.

Apple sells its products every which way at once. You can buy a Mac direct from the online Apple Store (**http://store.apple.com/uk**); from one of the growing number of bricks-and-mortar Apple Stores around the country; from official 'Apple shops' within department stores, staffed by certified Apple Solutions Consultants; and from hundreds of independent Apple Authorised Resellers and Premium Resellers, variously selling online or on the high street.

The bigger independents buy direct from Apple, while others go through a network of distributors. To find the one nearest you, go to **www.apple.com/uk/buy**. Given this range of outlets, shopping around for your Mac could save you money – but probably not very much. There simply isn't much profit margin for independent dealers to knock off. The Mac's popularity means Apple doesn't have to leave a big gap between its wholesale prices and Apple Store prices – effectively the minimum and maximum level at which retailers can sell their wares.

Authorised Resellers may knock a few pounds off Apple Store prices, and can also sell you other kit at competitive prices. Although you may find fractionally lower prices online, by choosing a local dealer you could get the benefit of trying before you buy and having someone on hand to answer questions. Either way, Mac resellers tend to be very knowledgeable and keen to help.

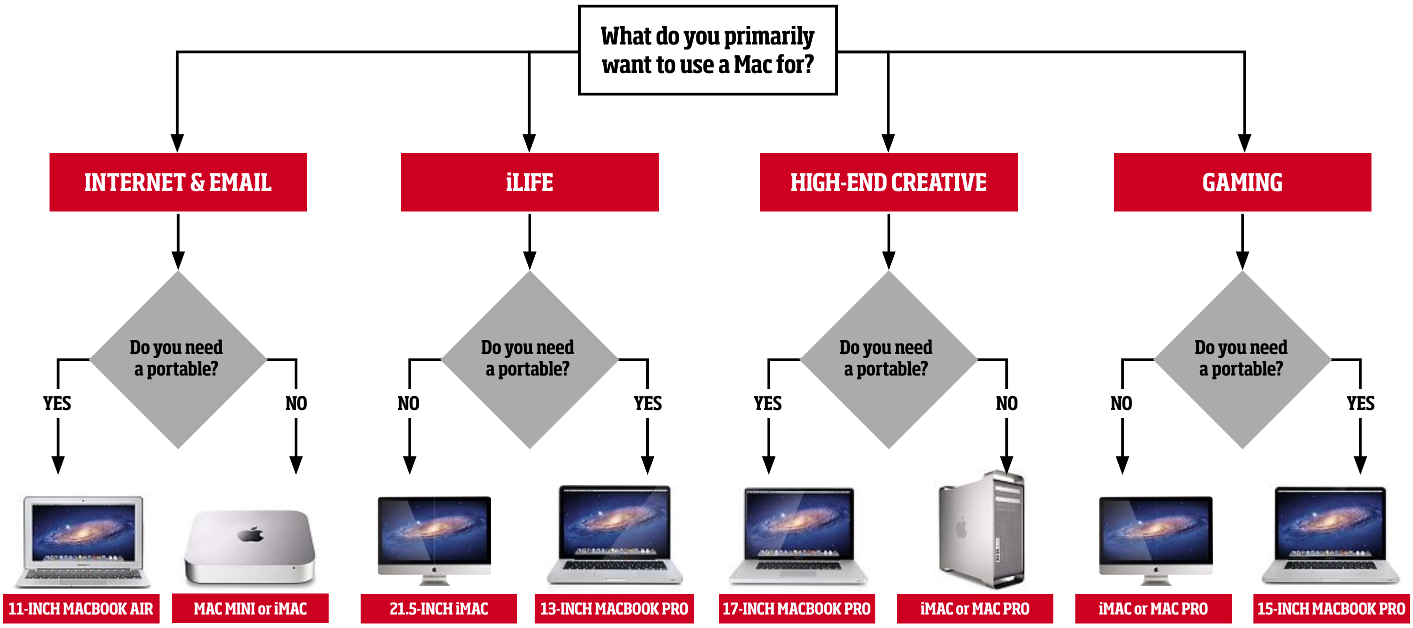
There are a couple of other ways to cut the cost of a new Mac. Business buyers can save a fortune by reclaiming the VAT and offsetting the purchase against tax. If you're not eligible, you may still qualify for a discount from Apple. Any student or teacher can get special pricing. That includes schoolkids (follow links to the Education Store for more). The reductions aren't huge, but they're worth having. For example, a top-of-the-range 27-inch iMac lists for £1,550.60, compared to the regular price of £1,649. Authorised Resellers can access these special rates and may even shave a bit more off for you.

> *"Cut the cost of your new Mac. Business users can save a fortune by reclaiming the VAT and offsetting the purchase against tax"*

To help you find the cash, Apple also offers financing options. For consumers, this spreads the payments, though you do pay interest. For businesses, flexible leasing knocks more off your tax bill and lets you upgrade your hardware – and indeed software – when necessary without spending big chunks of capital. You can find out plenty more at **www.apple.com/uk/financing**.

Your budget will stretch even further with clearance, refurb and second-user deals. If you can suppress your envy of marginally newer, shinier kit, the best time to shop for a Mac is

CHOOSING A MAC / Which one is right for you?


What do you primarily want to use a Mac for?
INTERNET & EMAIL
iLIFE
HIGH-END CREATIVE
GAMING
Do you need a portable?
YES
NO
Do you need a portable?
NO
YES
Do you need a portable?
YES
NO
Do you need a portable?
NO
YES
11-INCH MACBOOK AIR
MAC MINI or iMAC
21.5-INCH iMAC
13-INCH MACBOOK PRO
17-INCH MACBOOK PRO
iMAC or MAC PRO
iMAC or MAC PRO
15-INCH MACBOOK PRO

just after Apple brings out new models. Wander down to John Lewis and you're quite likely to find the last of the old range with three-figure reductions. Do check the specs against the incoming versions, which will offer more for the same original price. But at the bottom end of the range you could pay less than the current entry-level for a perfectly good machine. Anywhere that holds Macs in stock is similarly worth a raid, and online retailers also have clearance bins.

Apple MacBooks come in a range of screen sizes, from the 11-inch Air to the 17-inch Pro.

Saving money

Apple itself has a surprisingly little-known online bargain basement at http://store.apple.com/uk/browse/home/specialdeals/mac. It's a treasure trove of cut-price kit, with some clearance items and many described as 'refurbished'. This usually means someone's bought a Mac, then changed their mind or found a problem and sent it back. Industry insiders tell us these returns often have absolutely nothing wrong with them, and in any case they're fully tested and any faults fixed before they're resold. They're guaranteed for a full year, extendable up to three years via AppleCare.

Besides deciding who to buy from, there's the tricky question of which Mac to pick. You can have a MacBook Pro, MacBook Air, Mac mini, iMac or Mac Pro. Most Mac families offer several standard models, plus plenty of built-to-order options, adding up to hundreds of possibilities.

By comparing the prices of different configurations – easily done at http://store.apple.com/uk – you can suss out the best value. For example, the entry-level 21.5-inch iMac is a bargain at £999. If you want a higher spec, the next option doubles the hard disk space and adds a more powerful graphics card, but it's an extra £250. However, you're not limited to the preset models. By clicking the Select button, you can tweak the listed specifications to create your own Mac. The only downside is that you'll need to allow a week or two for your own personal Mac to arrive.

> *"There's the tricky question of which Mac to pick. You can plump for a MacBook Pro, MacBook Air, Mac mini, iMac or Mac Pro"*

Just think of it as an exercise in delayed gratification.

DID YOU KNOW THIS?

The latest MacBook Pros, released in October 2011, have new Sandy Bridge processors, great new graphics solutions and the new ultra-fast Thunderbolt connectivity port.

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iPad: The Essential Handbook
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100 tricks & tips for iPad 2
100 tricks and tips for iPad 2
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iPHONE + CAR
Tap! The iPad magazine

Get them at:
www.myfavouritemagazines.co.uk/apps

Available on the App Store

BUYERS' GUIDE

KEYBOARDS & MICE

Apple Magic Trackpad

★★★★☆

Price: £60 **Reviewed:** Issue 226
Web: www.apple.com/uk
Full review: www.techradar.com/ 713555
Key specs: 13.13x13.01x1.83cm; Bluetooth connectivity; powered by 2x AA batteries; requires Mac OS X 10.6.4 or higher

⊕ Brings the MacBook's famous gestures to Apple's desktop range
⊖ Doesn't work in pre-Snow Leopard versions of OS X

"Well conceived and beautifully executed, it's well worth a try if you use a Mac Pro, iMac or Mac mini at home or work."

Wacom Bamboo Fun P&T ★★★★☆

Price: £90 **Reviewed:** Issue 240
Full review: www.techradar.com/1029725
Key specs: 2540lpi; wireless option; gestures
⊕ Gesture support; wireless option (sold separately)
⊖ Touchpad a little slow

Microsoft Arc Mouse ★★★★★

Price: £25 **Reviewed:** Issue 229
Full review: www.techradar.com/913796
Key specs: Wireless operation; foldable form factor
⊕ Highly portable. Has four customisable buttons
⊖ Might not suit those who like a small mouse

PRINTERS & ALL-IN-ONES

Canon PIXMA MG8150

★★★★★

Price: £217 **Reviewed:** Issue 241
Web: www.canon.co.uk
Full review: MF Issue 241 group test
Key specs: USB, Ethernet and WiFi connectivity; PictBridge; Auto Duplex; six ink tanks; print on optical discs

⊕ Stellar print quality; comprehensive feature set; elegant and robust
⊖ Not AirPrint-compatible

"Solid text printing and stellar photo reproduction, together with a comprehensive feature set, make this a great buy."

Canon PIXMA MG6150 ★★★★★

Price: £100 **Reviewed:** Issue 227
Full review: www.techradar.com/719361
Key specs: Six-tank inkjet; touch-sensitive controls
⊕ Comprehensive connectivity; stellar print quality
⊖ Could be faster

Samsung ML-2855ND ★★★★★

Price: £265 **Reviewed:** Issue 221
Key specs: Mono laser printer
Full review: MF Issue 221 group test
⊕ Incredible value to run and great print quality
⊖ A little bulky, and obviously won't do colour

DISPLAYS

Thunderbolt Display

★★★★☆

Price: £899 **Reviewed:** Issue 241
Web: www.apple.com/uk
Full rev: www.techradar.com/1037021
Key specs: 2560x1440 pixel resolution, 178° viewing angle (horizontal and vertical), 12ms response time

⊕ Single-cable convenience; daisy-chaining Thunderbolt connectivity
⊖ Height not adjustable; very expensive; limited compatibility

"It's an excellent monitor, but only if you use a Thunderbolt-equipped Mac. Despite its quality, it's far too expensive."

EIZO FORIS FS2331 ★★★★★

Price: £342 **Reviewed:** Issue 237
Full review: MF Issue 237 group test
Key specs: Good value mid-range monitor
⊕ Good text reproduction; excellent for gamers
⊖ No major drawbacks to speak of

Samsung FX2490HD ★★★★☆

Price: £294 **Reviewed:** Issue 230
Full review: www.techradar.com/908753
Key specs: 24-inch LED screen, 1,920x1,280 res
⊕ Great screen, good audio, includes TV tuner
⊖ Lacks adjustability, pricey and lacks HD channels

SPEAKERS/HEADPHONES

Sennheiser HD 518

★★★★★

Price: £72 **Reviewed:** Issue 235
Web: www.sennheiser.co.uk
Full review: www.techradar.com/954009
Key specs: Frequency response 14Hz-26KHz; cable length 3m; connector; 6.3mm stereo jack with 3.5mm adapter

⊕ Excellent sound quality; comfortable, lightweight design
⊖ Not great with low bitrate MP3s; no inline mic and controls

"Ideal for all-day listening, these headphones have audiophile chops aplenty. Very comfortable too."

Creative Recon3D Omega ★★★★½

Price: £210 **Reviewed:** Issue 241
Full review: www.techradar.com/1030276
Key specs: 50mm drivers, 2.4GHz wireless
⊕ Convincing 3D soundscape; easy to set up
⊖ Mixed results from Scout Mode

Orbit USB Stereo ★★★★½

Price: £35 **Reviewed:** Issue 236
Full review: www.techradar.com/963037
Key specs: 2x40mm drivers, travel bag included
⊕ Crisp, clear sound; very portable; good value
⊖ Bass not very prominent

» DIGITAL CAMERAS

Canon IXUS 220HS

★★★★★

Price: £144 **Reviewed:** Issue 235
Web: www.canon.co.uk
Full review: www.techradar.com/932082
Key specs: 12.1MP resolution; 4.3-21.5mm lens f/2.7-f/5.9; electronic viewfinder 2.7-inch LCD with 230,000 dots

⊕ Stylish, tough steel body; easy to carry; high quality images
⊖ LCD reflections in the sun

"Even at lower settings, this camera impresses with the detail it captures. A good choice for snapping social events."

Samsung NX100 ★★★★☆

Price: £249 **Reviewed:** Issue 239
Full review: www.techradar.com/913705
Key specs: 14.6MP; 20-50mm lens, f3.5-5.6; 340g
⊕ Powerful and flexible; very good photos
⊖ No in-camera stabilisation; a few compromises

Panasonic Lumix DMC-GH2 ★★★★☆

Price: £715 **Reviewed:** Issue 232
Full review: www.techradar.com/926611
Key specs: 18.32MP; 14-42mm lens; SD/SDHC/SDXC
⊕ Smooth video output; articulated LED screen
⊖ Some small controls; too expensive

» ROUTERS/NETWORKING

AVM FRITZ!Box 7390

★★★★★

Price: £210 **Reviewed:** Issue 229
Web: www.fritzbox.eu
Full review: www.techradar.com/912929
Key specs: 802.11n, g, b and a; dual band 2.4GHz and 5GHz; power consumption 6-8 watts; integrated DECT base station

⊕ Packed with features, including dual band wireless 'n'; very fast
⊖ Expensive, especially if you don't want the telephony functions

"Fast and feature-rich, the FRITZ!Box 7390 could transform your home network. Great traffic-shaping features too."

Devolo dLAN 500 AVplus ★★★★½

Price: £120 **Reviewed:** Issue 241
Full review: www.techradar.com/1037426
Key specs: 500mbps homeplug networking
⊕ Easy to set up and use; versatile; fast speeds
⊖ A little bulky for some skirting boards

Cisco Linksys E4200 ★★★★☆

Price: £123 **Reviewed:** Issue 237
Full review: www.techradar.com/938920
Key specs: Six Wi-Fi antennas, four Ethernet ports
⊕ Traffic management features; good range
⊖ No built-in modem

» DIGITAL VIDEO CAMERAS

Sony HDR-CX115E

★★★★★

Price: £263 **Reviewed:** Issue 233
Web: www.sony.co.uk
Full review: MF Issue 233 group test
Key specs: 1920x1080 resolution; 2.7-inch LCD; covers MPEG4-AVC and H.264 recording formats

⊕ Excellent all-round performance, and a compact, portable form factor
⊖ There are cheaper camcorders around

"The Sony provides you with all you'd want from a camcorder, with excellent build, features and quality."

Canon HV30 ★★★★½

Price: £835 **Reviewed:** Issue 201
Full review: www.techradar.com/468942
Key specs: HDV; DIGIC II processor; MiniDV/SD card
⊕ Superb stills and video; better than HDD
⊖ Cumbersome to use

Samsung VP-HMX 20C ★★★★☆

Price: £375 **Reviewed:** Issue 202
Full review: www.techradar.com/528224
Key specs: 2.7-inch LCD; movie capture at 2.1MP
⊕ Good screen; lightweight; offers full HD
⊖ Really need to shop around for price

» STORAGE

Iomega Mac Companion

★★★★☆

Price: £170 **Reviewed:** Issue 241
Web: www.iomega.com
Full rev: www.techradar.com/1037051
Key specs: 2TB capacity; FireWire 800 or USB 2.0; charges your iOS device from side-mounted high-powered port

⊕ Charges an iPad; robust and attractive; fast 7200rpm drive
⊖ Sync OR fast charge, depending on whether you use FW or USB

"A sleek, high-capacity drive with exciting features that are more than just gimmicks. Looks great under an iMac."

Seagate GoFlex Satellite ★★★★☆

Price: £170 **Reviewed:** Issue 240
Full review: www.techradar.com/1029702
Key specs: 500GB; Wi-Fi g/n connectivity
⊕ Stream media and docs to Mac and iOS over Wi-Fi
⊖ No internet bridging

DataTraveler Locker+ 8GB ★★★★½

Price: £11 **Reviewed:** Issue 232
Full review: www.techradar.com/930867
Key specs: 256-bit AES security
⊕ Password-protects your data; good price
⊖ Can't function without its launcher app

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★★★★★

Price: £30 **Reviewed:** Issue 229
Web: www.literatureandlatte.com
Full review: www.techradar.com/913378
System reqs: A Mac with either an Intel or an older PPC procesor can be used; minimum version of OS X is 10.4: Tiger

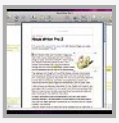
⊕ Great new features; improved corkboard; better outlining
⊖ Some aspects are quite complex

"Far and away the best application available for long-form writing, on any platform. A superb update."

MS Office for Mac 2011 ★★★★☆

Price: From £76 **Reviewed:** Issue 228
Full review: www.techradar.com/903277
System reqs: OS X 10.5.8 or later; Intel Mac
⊕ Cheaper and faster than 2008; new features
⊖ No upgrade pricing

Nisus Writer Pro 2 ★★★★★



Price: £49 **Reviewed:** Issue 237
Full review: www.techradar.com/974528
System reqs: OS X 10.4 or later
⊕ Clean, fast and stable; EPUB export
⊖ Nisus Writer Express might be enough

VISUAL TOOLS & LAYOUT

Freeway 5.5 Pro

★★★★★

Price: £155 **Reviewed:** Issue 230
Web: www.softpress.com
Full review: www.techradar.com/919171
System reqs: Mac OS X 10.5 or higher; Intel or PowerPC processor; Tiger users can run Version 5.4.3

⊕ Powerful layout controls; built-in web image optimising; new features
⊖ Weak HTML import; only one undo

"Freeway 5.5 Pro is great for website design work, and doesn't ask for a degree in coding first."

Ohanaware HDRtist Pro ★★★★★

Price: £20 **Reviewed:** Issue 235
Full review: www.techradar.com/954888
System reqs: Mac OS X 10.5 or later; 1GB RAM
⊕ Great value for money; ideal for novices
⊖ No zoom function for fine detail

Photoshop Elements 10 ★★★★½

Price: £79 **Reviewed:** Issue 240
Full review: www.techradar.com/1027864
System reqs: OS X 10.5.8+, Intel Mac
⊕ Powerful organiser; good for all skill levels
⊖ Search tools imprecise; few major enhancements

SYSTEM UTILITIES

Parallels Desktop 7

★★★★★

Price: £65 **Reviewed:** Issue 240
Web: www.parallels.com/uk
Full review: MacFormat 240
System reqs: OS X 10.5.8 or later; Intel processor; 2GB RAM; sufficient hard drive space for additional OS

⊕ More flexible than Boot Camp; Coherence Mode is very useful
⊖ Convenience Store a little lacking in content

"If you need to run Windows or Linux on a Mac, Parallels Desktop 7 is a great way to set about it. Powerful and fast."

Roxio Toast 11 Titanium ★★★★½

Price: £85 **Reviewed:** Issue 233
Full review: www.techradar.com/936399
System reqs: OS X 10.5 or later, Intel Mac
⊕ Great new features, slick new interface
⊖ Fickle VIDEO_TS conversion

Default Folder X 4.4 ★★★★½

Price: £25 **Reviewed:** Issue 241
Full review: MacFormat Issue 241
System reqs: OS X 10.5 or later; PPC or Intel Mac
⊕ Time-saving features; customisable shortcuts
⊖ You might not use all its features

MULTIMEDIA SOFTWARE

Apple iLife '11

★★★★½

Price: £46 **Reviewed:** Issue 229
Web: www.apple.com/uk
Full review: www.techradar.com
System reqs: Intel processor; 1GB RAM; Mac OS X 10.6.3 or later; 5GB HDD space; display, min. 1280x768-pixel resolution.

⊕ Great new features for iPhoto, iMovie and GarageBand
⊖ iDVD and iWeb not updated; the iLife suite is now Snow Leopard-only

"It's a pity iLife '11 is Intel-only, but as PowerPC Macs were discontinued in 2006, it's probably time to let go."

Apple Logic Studio ★★★★★

Price: £417 **Reviewed:** Issue 213
Full review: www.techradar.com/625541
System reqs: Intel Mac; 1GB RAM; Mac OS X 10.5.7
⊕ Powerful music studio; great tools; good value
⊖ Some minor bugs in the initial release

Anime Studio Debut 8 ★★★★½

Price: £27 **Reviewed:** Issue 239
Full review: MacFormat 239
System reqs: 256MB RAM; OS X 10.5 or later
⊕ Great animation toolset; new Character Wizard
⊖ Interface still odd-looking

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* Contents subject to change

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www.clubmac.ie

[6] Cork University College
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www.ucc.ie/mug

[7] Cumbria Mac Enthusiasts
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contact@macenthusiasts.co.uk
www.macenthusiasts.co.uk

[8] Deaf Mac Users
Website group for the hard of hearing
nick@sturley.co.uk
http://tech.groups.yahoo.com/group/deaf-macs/

[9] Edinburgh MUG
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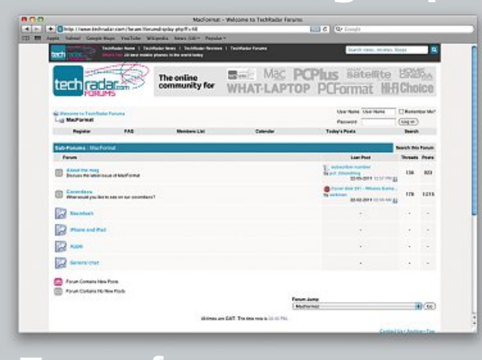

Try our forums…

If you haven't got a local Mac user group then try our forums at **www.macformat.co.uk/forums**. There you'll have the chance to talk about all things Apple and get answers to any questions you may have from a decent bunch of like-minded Apple users.

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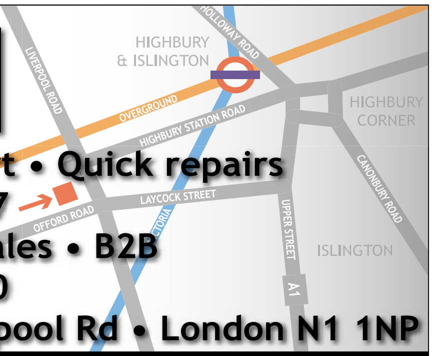

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One more thing...

Don't sanctify Steve

Let's take time to remember the man… and not some magical space being

Did you watch *iChanged The World*, the Steve Jobs documentary? There was a great bit where Steve shared a secret. "Life can be much broader once you discover one simple fact," he said. "And that is that everything around that you call life was made up by people who were no smarter than you. And you can change it. You can influence it. You can build your own things that other people can use. Once you learn that, you'll never be the same again."

Jobs often spoke about the importance of self-belief, passion and keeping at it, no matter what. "If you look at the ones who ended up successful in the eyes of society and the ones who didn't, oftentimes the ones who were successful loved what they did, so they could persevere when it got really tough," he said in 2007. "The ones who didn't love it, quit."

The Apple story is as much about perspiration as it is about innovation. "Steve worked at what he loved," his sister Mona said during her eulogy. "He worked really hard. Every day… he was never embarrassed about working hard, even if the results were failures."

Jobs may have been a genius, but he put in the hours. It's a shame, then, that so much of the posthumous coverage has painted Jobs as some kind of magical being who fell from the stars, sprinkling genius dust on everything he touched. *iChanged The World* isn't the only offender. It just has the worst title.

"Apple wasn't just about Steve. It's also about the employees whose names we'll never know"

I'm sure Jobs would find it hilarious – the Reality Distortion Field finally swallows the entire Earth – but the deifying of Saint Steve does him and the rest of Apple an enormous disservice.

On stage with Bill Gates in 2007, Jobs explained his rules for success. "You need a lot of passion for what you do, because it's so hard," he said. "It's a lot of hard work, and it's a lot of worrying constantly… [and] you've got to be a really good talent scout, because no matter how smart you are, you need a team of great people."

Those people are largely absent from the Saint Steve stuff. Imagine telling the story of The Beatles by focusing entirely on John Lennon and never mentioning Paul McCartney. You wouldn't, and yet apparently it's okay to talk about Apple without mentioning the people who helped Jobs fulfil his vision.

Apple wasn't just about Steve. It was, and is, about people like Tim Cook, who wields Apple's supply chain like a samurai sword. It's about people like Jonathan Ive, a man whose design talent is so extraordinary he could probably fix Windows. And it's about the countless Apple employees whose names we'll never know, the people who busted their guts to make products so good that even Steve couldn't find a reason to berate them.

Steve Jobs was interesting because he was such a complex, creative and charismatic individual. Elevating him to sainthood, playing loose with the facts, diminishes both Jobs and the company he created. ●

Illustration: Matthew Hams

Gary Marshall is an author and technology journalist. Thanks to his daughter, he's also the world's biggest sender of iPad Princess Party invitations.

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